

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142853.D
 Acq On : 25 Jun 2025 23:11
 Operator : RC/JU
 Sample : Q2386-01DL2 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025DL2

Quant Time: Jun 26 01:22:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

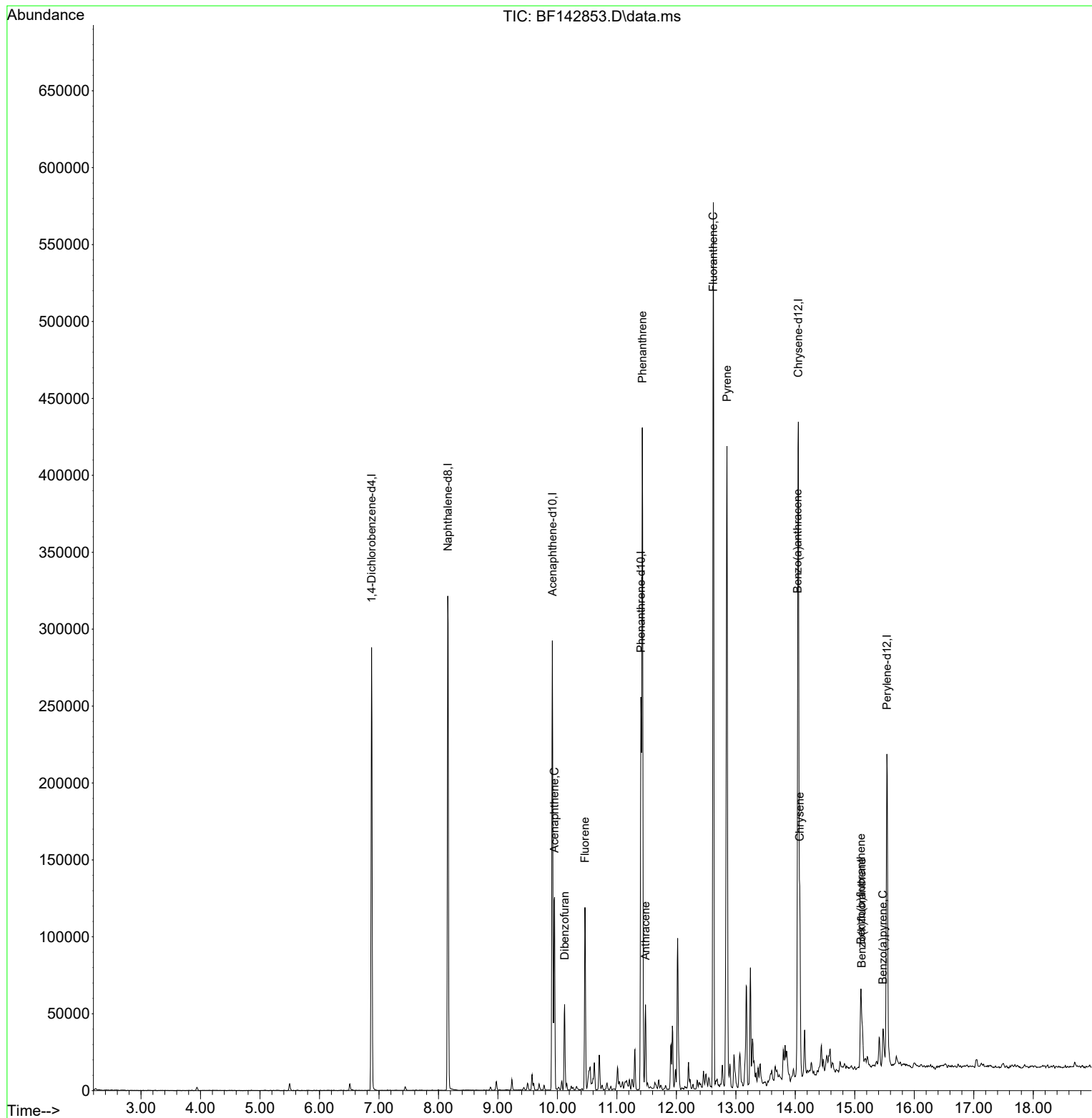
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63520	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	213649	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	86796	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	133219	20.000	ng	0.00
76) Chrysene-d12	14.051	240	163604	20.000	ng	0.00
86) Perylene-d12	15.539	264	114854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	2866	0.751	ng	0.00
7) Phenol-d6	6.510	99	3339	0.742	ng	0.00
23) Nitrobenzene-d5	7.440	82	1627	0.418	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	518	0.580	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	4557	0.690	ng	-0.01
79) Terphenyl-d14	12.992	244	5222	0.441	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.951	154	40602	7.857	ng	98
55) Dibenzofuran	10.122	168	32109	4.333	ng	96
58) Fluorene	10.463	166	48441	8.370	ng	99
71) Phenanthrene	11.428	178	228461	31.658	ng	99
72) Anthracene	11.480	178	31751	4.290	ng	99
75) Fluoranthene	12.622	202	330014	48.186	ng	99
78) Pyrene	12.851	202	246068	16.046	ng	98
81) Benzo(a)anthracene	14.039	228	78026	7.070	ng	99
83) Chrysene	14.074	228	62701	6.367	ng	98
88) Benzo(b)fluoranthene	15.104	252	30701m	4.619	ng	
89) Benzo(k)fluoranthene	15.116	252	14019m	2.255	ng	
90) Benzo(a)pyrene	15.474	252	15126	2.356	ng	95

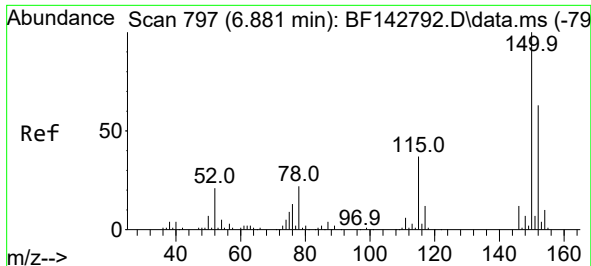
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
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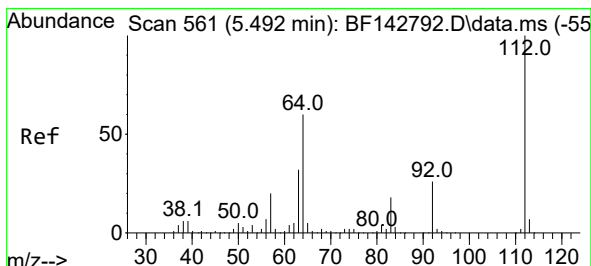
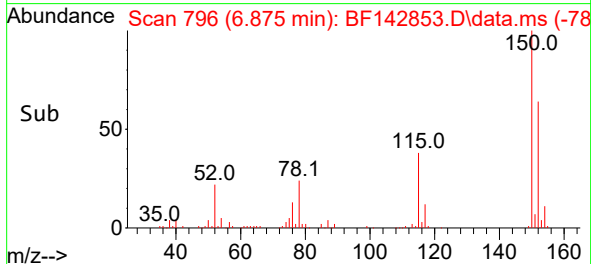
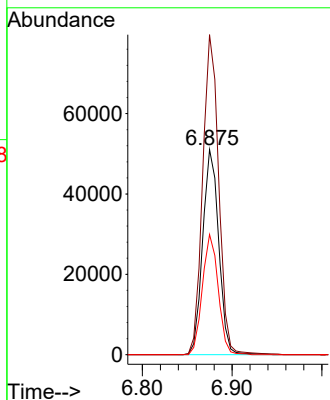
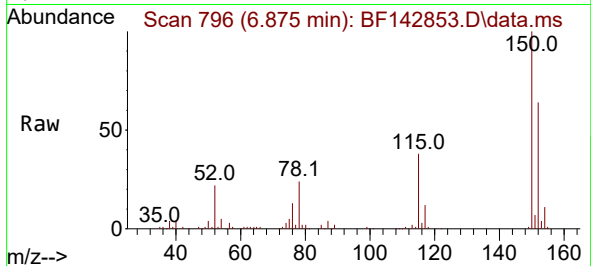




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

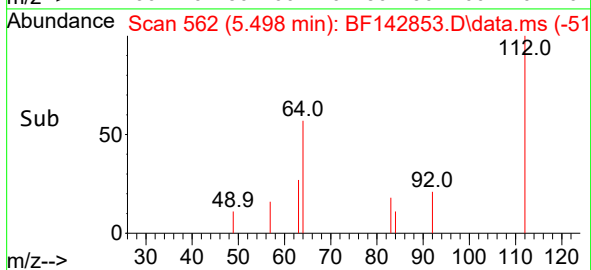
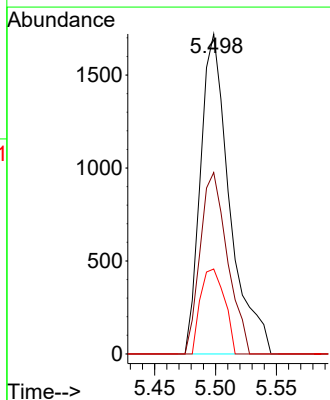
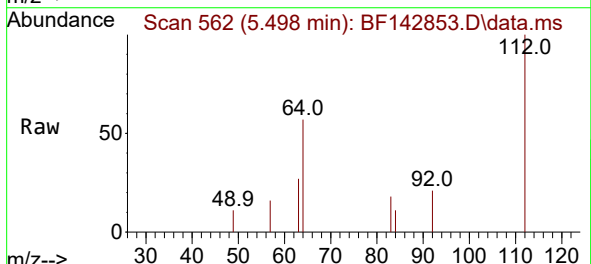
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL2

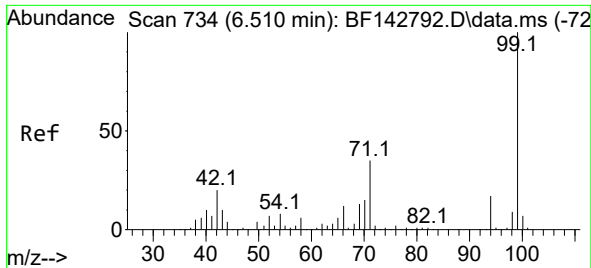
Tgt Ion:152 Resp: 63520
Ion Ratio Lower Upper
152 100
150 156.0 127.2 190.8
115 58.5 46.6 69.8



#5
2-Fluorophenol
Concen: 0.751 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

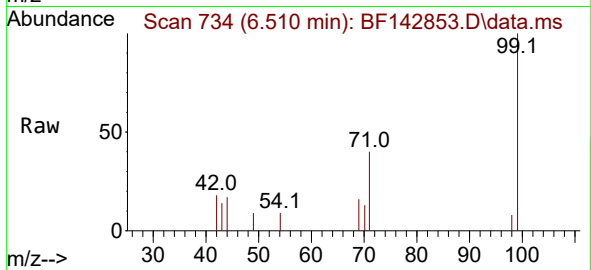
Tgt Ion:112 Resp: 2866
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 26.6 25.7 38.5



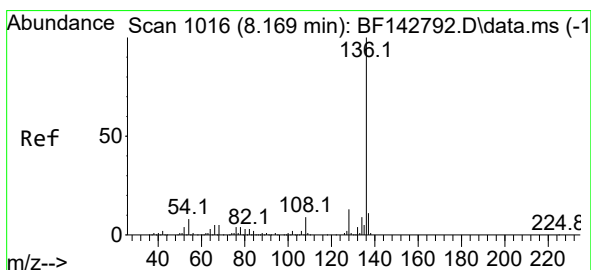
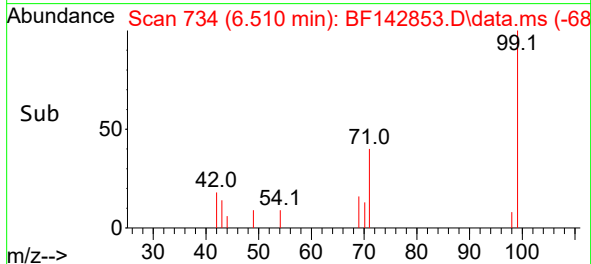
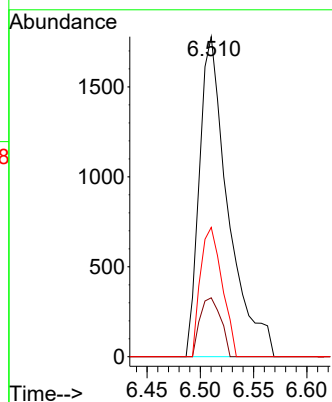


#7
Phenol-d6
Concen: 0.742 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL2

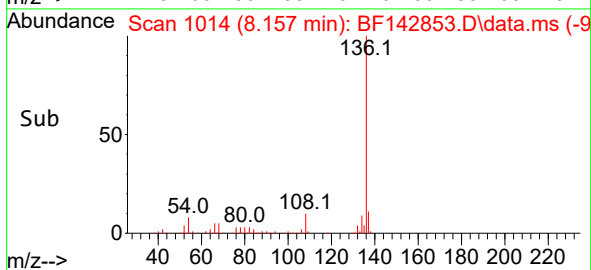
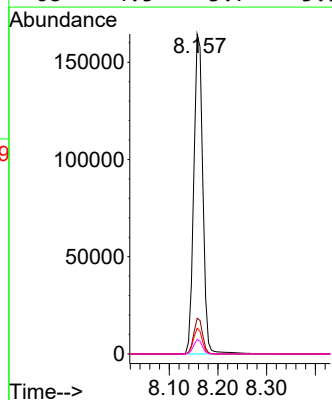
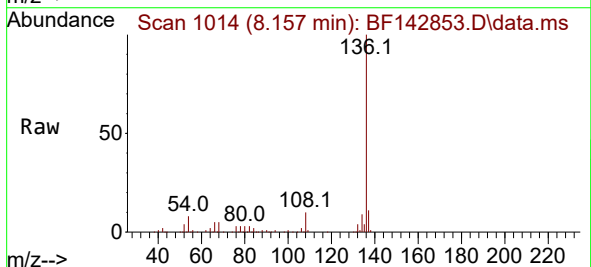


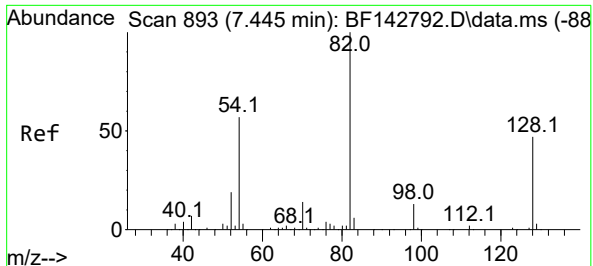
Tgt Ion:	99	Resp:	3339
Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.9	23.9
71	40.4	27.8	41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

Tgt Ion:	136	Resp:	213649
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	8.0	6.3	9.5
68	4.5	3.7	5.5





#23

Nitrobenzene-d5

Concen: 0.418 ng

RT: 7.440 min Scan# 89

Delta R.T. -0.005 min

Lab File: BF142853.D

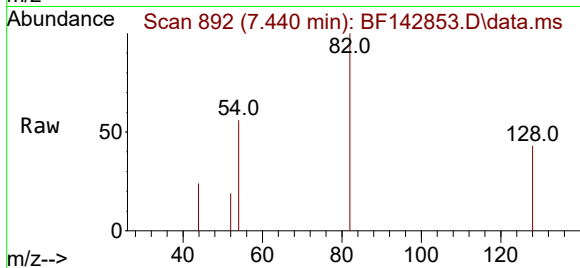
Acq: 25 Jun 2025 23:11

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL2



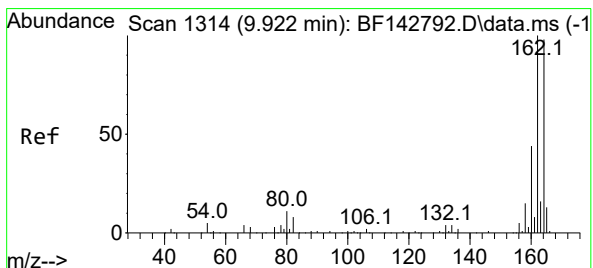
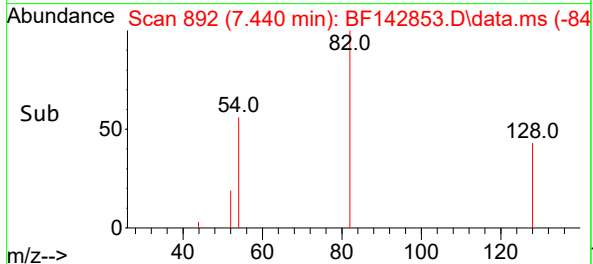
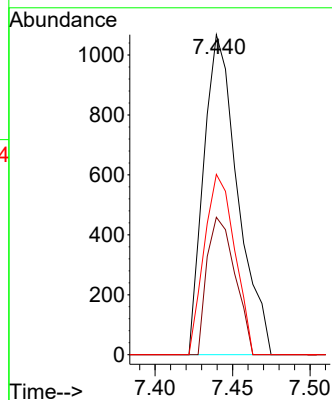
Tgt Ion: 82 Resp: 1627

Ion Ratio Lower Upper

82 100

128 43.0 37.7 56.5

54 56.4 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142853.D

Acq: 25 Jun 2025 23:11

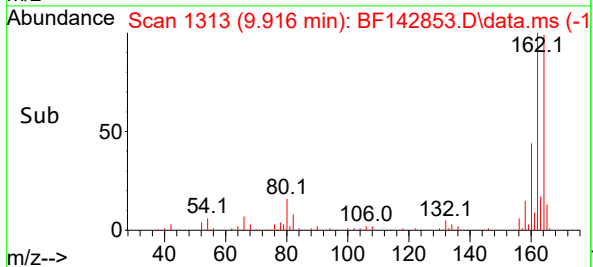
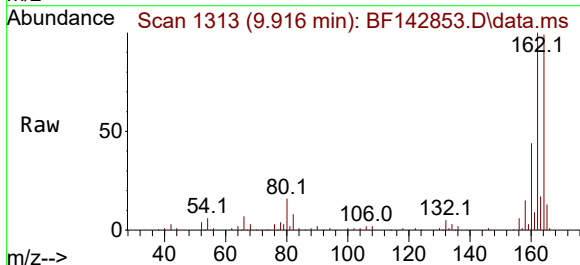
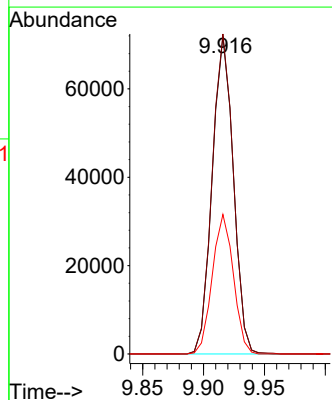
Tgt Ion: 164 Resp: 86796

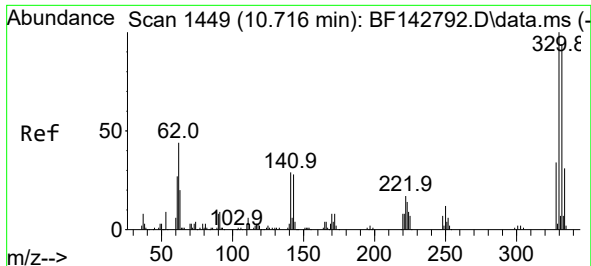
Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.8

160 43.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 0.580 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142853.D

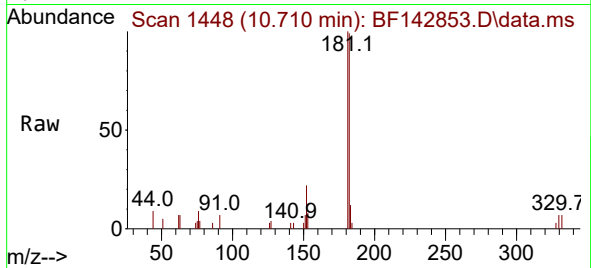
Acq: 25 Jun 2025 23:11

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL2



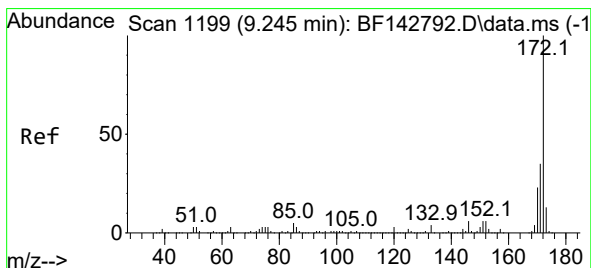
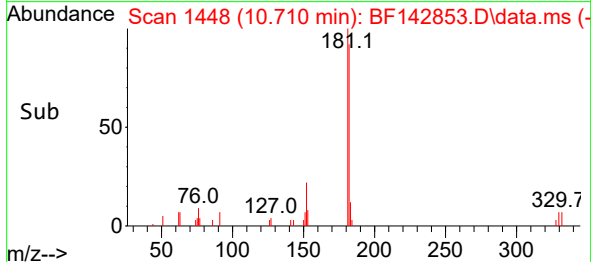
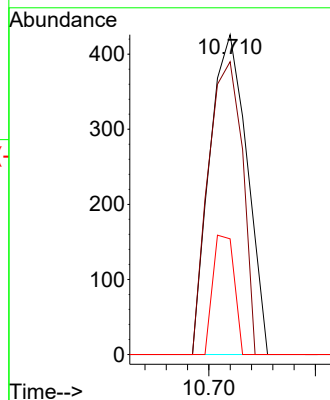
Tgt Ion:330 Resp: 518

Ion Ratio Lower Upper

330 100

332 83.8 75.0 112.6

141 21.2 25.3 37.9#



#45

2-Fluorobiphenyl

Concen: 0.690 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142853.D

Acq: 25 Jun 2025 23:11

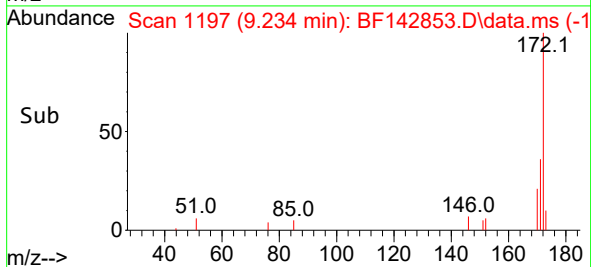
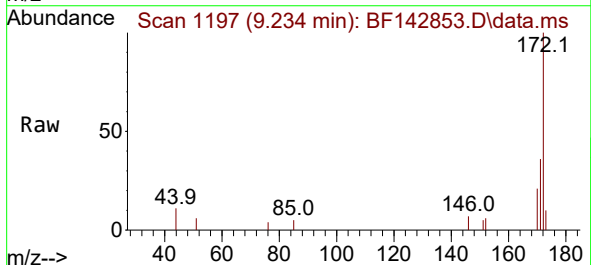
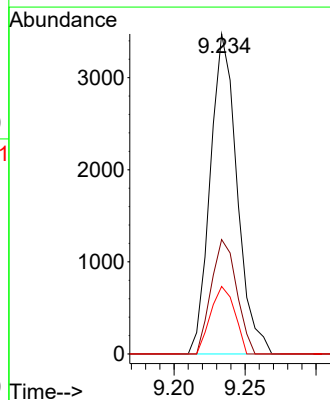
Tgt Ion:172 Resp: 4557

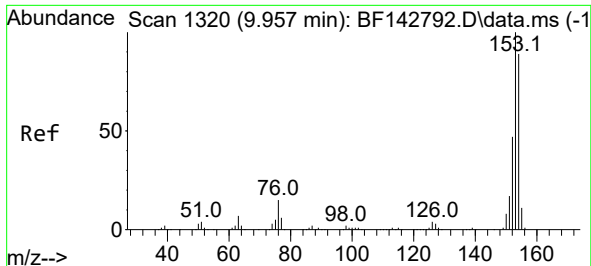
Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.4

170 21.1 18.5 27.7

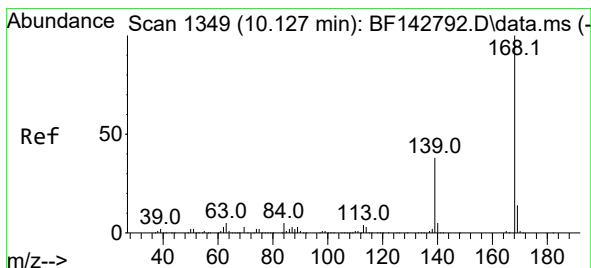
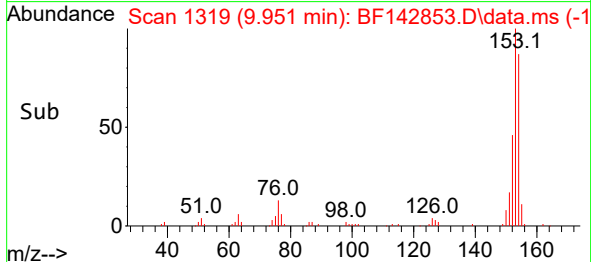
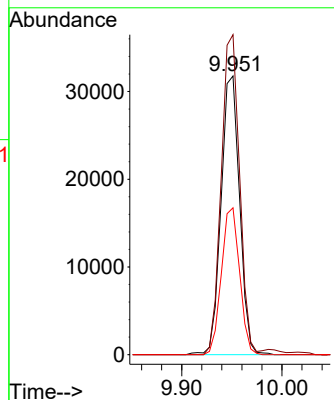
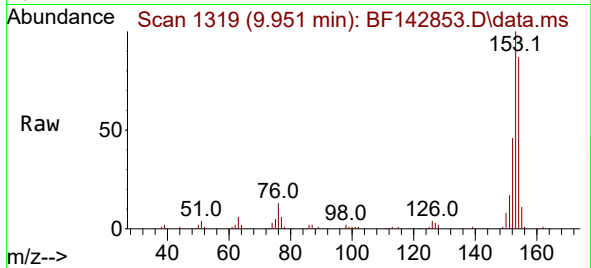




#52
Acenaphthene
Concen: 7.857 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

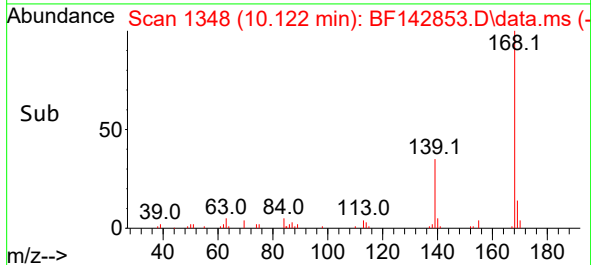
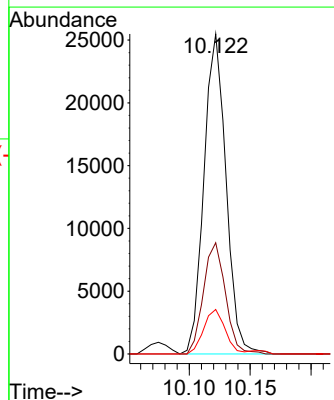
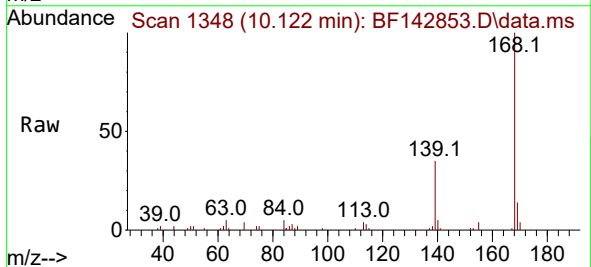
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL2

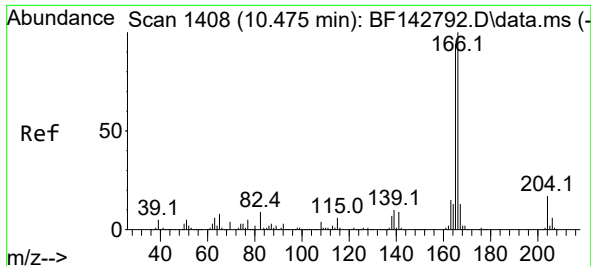
Tgt Ion:154 Resp: 40602
Ion Ratio Lower Upper
154 100
153 114.8 90.0 135.0
152 52.7 41.9 62.9



#55
Dibenzofuran
Concen: 4.333 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

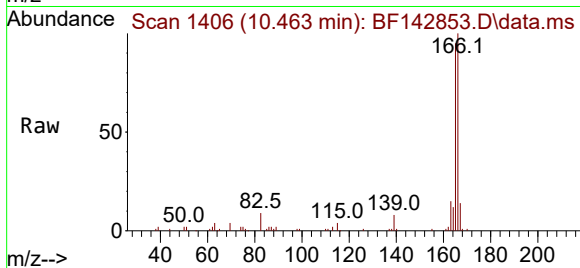
Tgt Ion:168 Resp: 32109
Ion Ratio Lower Upper
168 100
139 34.8 30.2 45.4
169 13.9 10.8 16.2



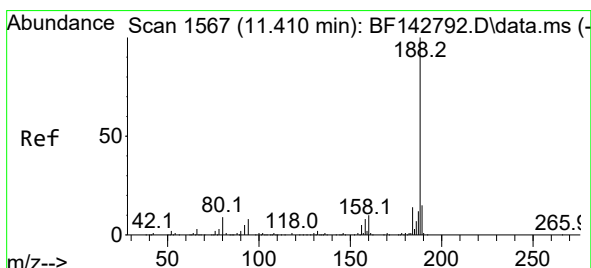
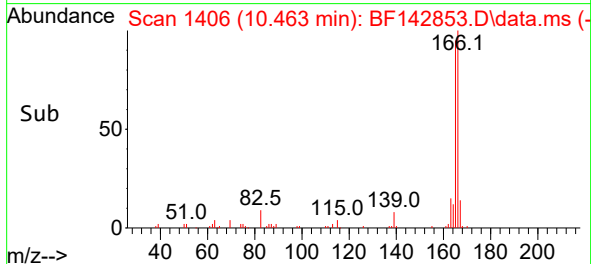
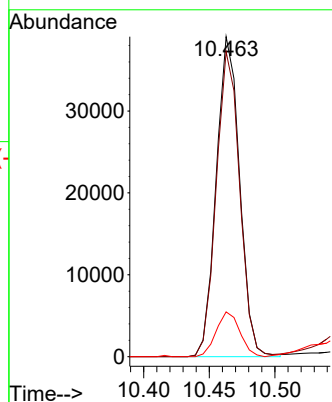


#58
Fluorene
Concen: 8.370 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL2

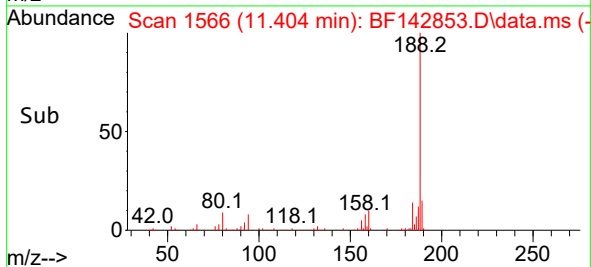
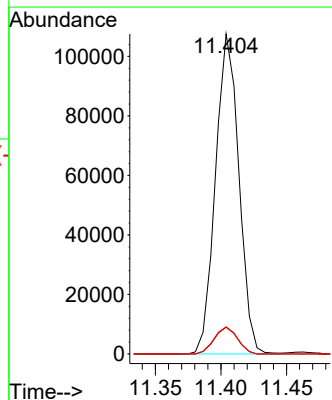
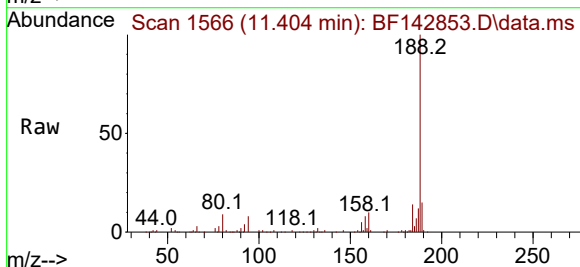


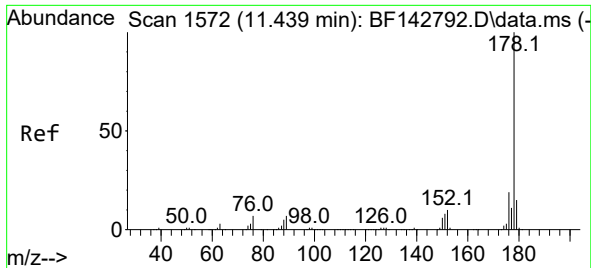
Tgt Ion:166 Resp: 48441
Ion Ratio Lower Upper
166 100
165 95.3 75.2 112.8
167 14.0 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

Tgt Ion:188 Resp: 133219
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.5 6.9 10.3

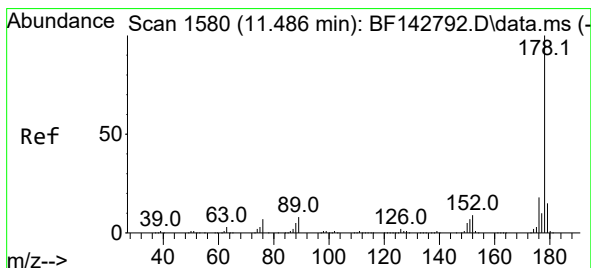
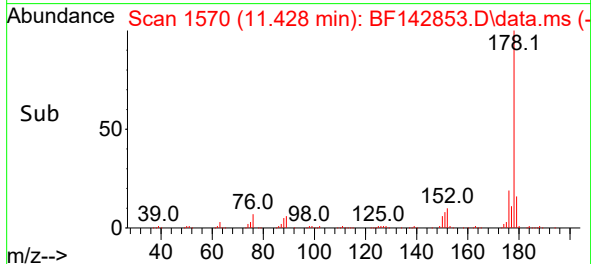
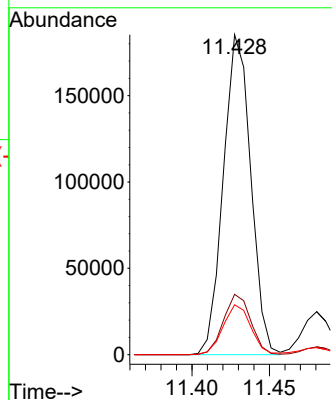
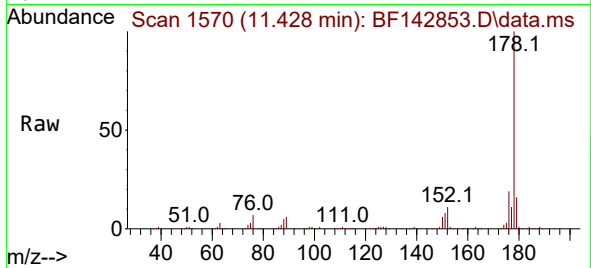




#71
Phenanthrene
Concen: 31.658 ng
RT: 11.428 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

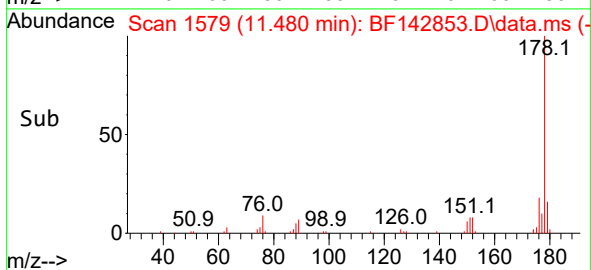
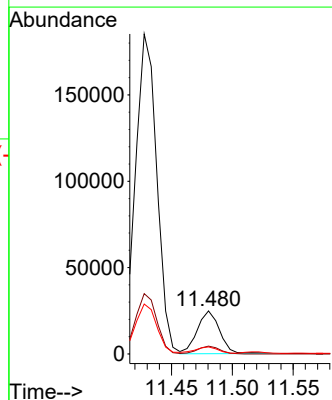
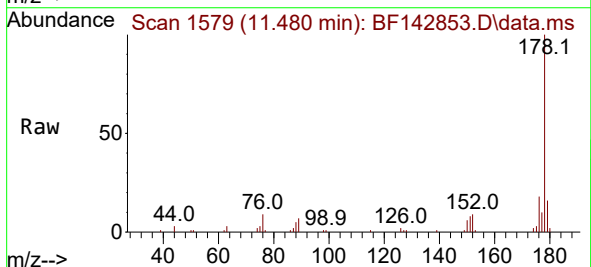
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL2

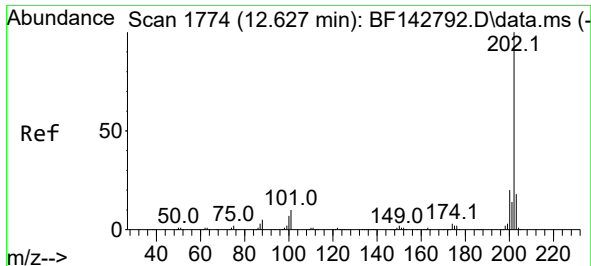
Tgt Ion:178 Resp: 228461
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.6 12.0 18.0



#72
Anthracene
Concen: 4.290 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

Tgt Ion:178 Resp: 31751
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 16.2 12.4 18.6

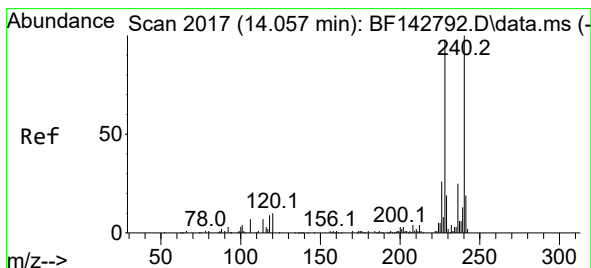
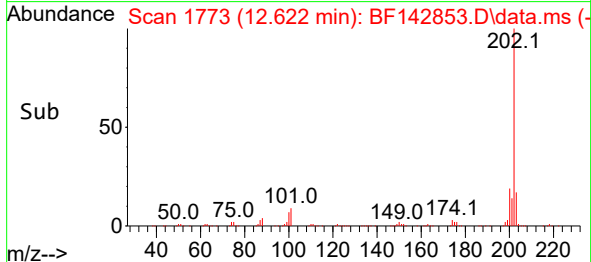
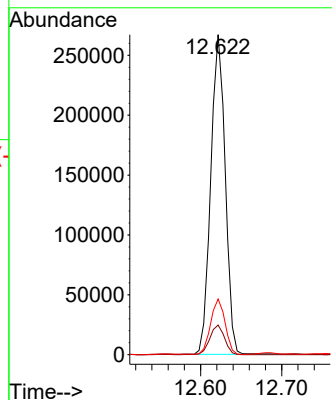
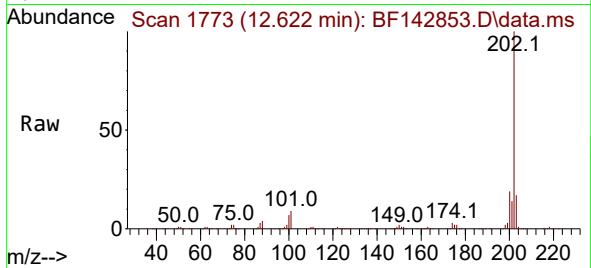




#75
Fluoranthene
Concen: 48.186 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

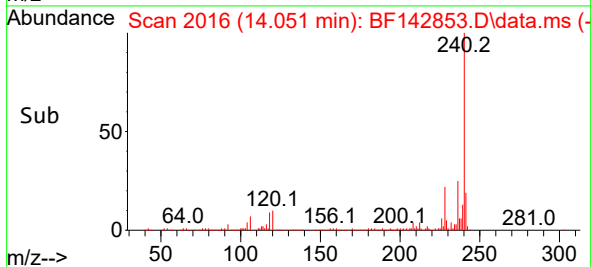
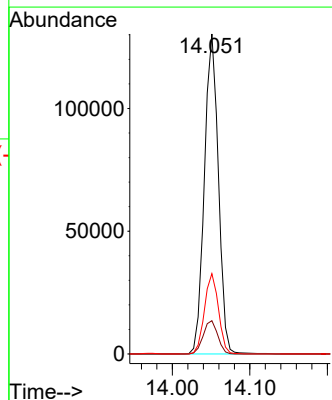
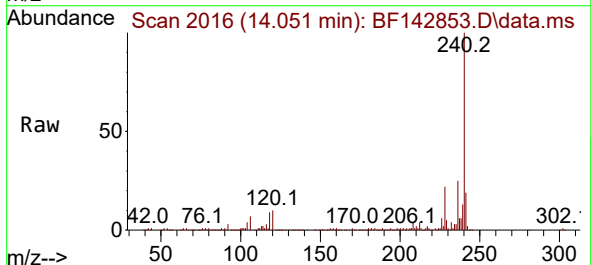
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL2

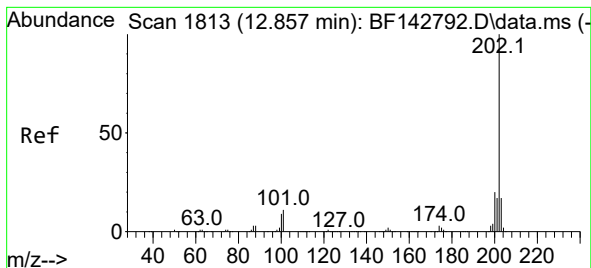
Tgt Ion:202 Resp: 330014
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

Tgt Ion:240 Resp: 163604
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 25.1 19.8 29.8





#78

Pyrene

Concen: 16.046 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142853.D

Acq: 25 Jun 2025 23:11

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL2

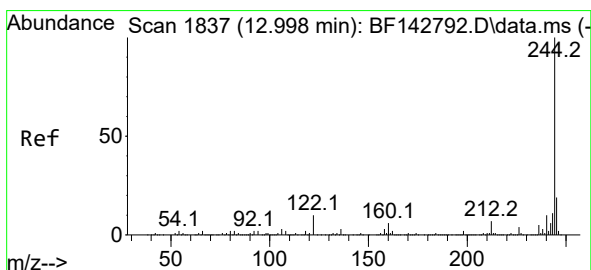
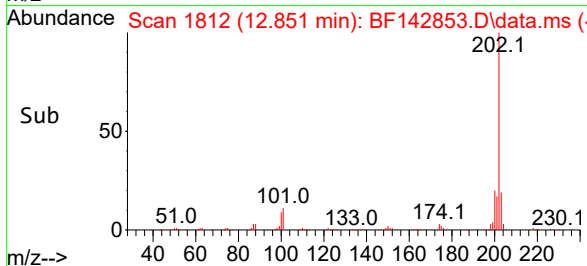
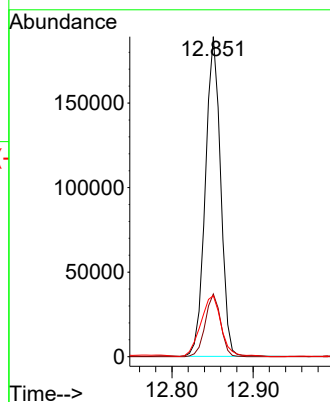
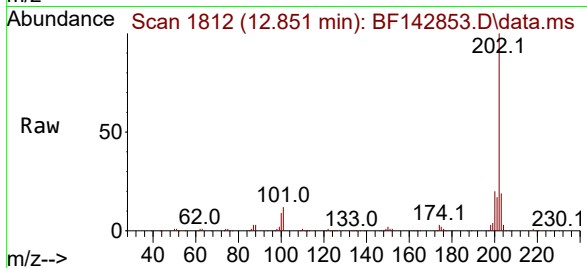
Tgt Ion:202 Resp: 246068

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 19.1 13.8 20.6



#79

Terphenyl-d14

Concen: 0.441 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142853.D

Acq: 25 Jun 2025 23:11

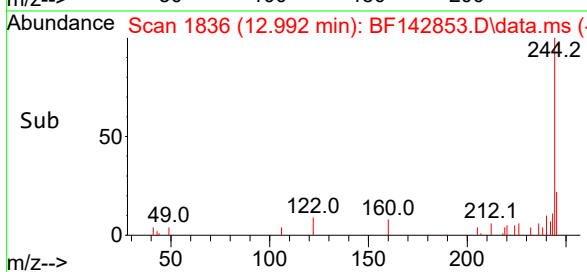
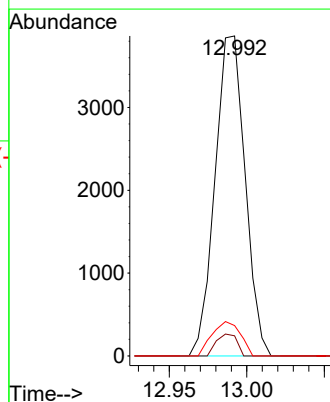
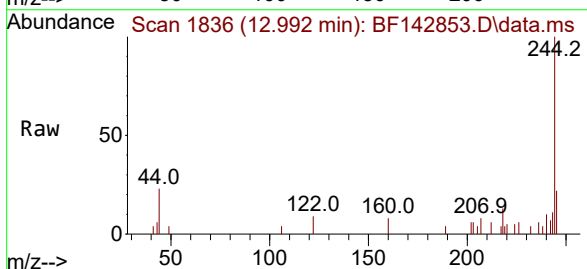
Tgt Ion:244 Resp: 5222

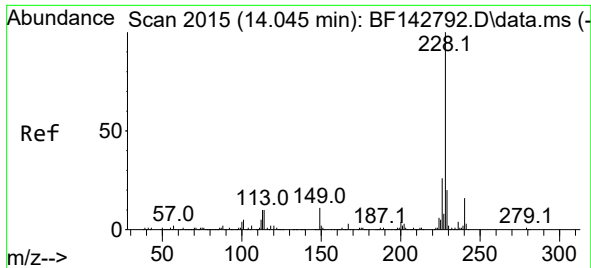
Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.5 8.2 12.2

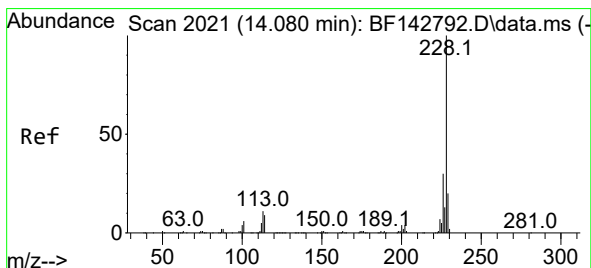
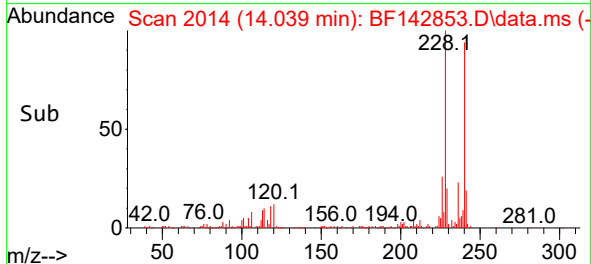
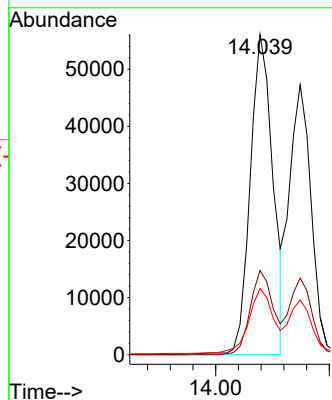
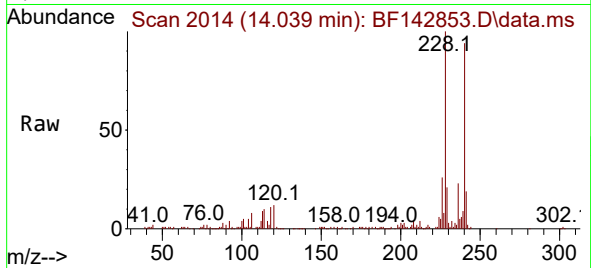




#81
Benzo(a)anthracene
Concen: 7.070 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

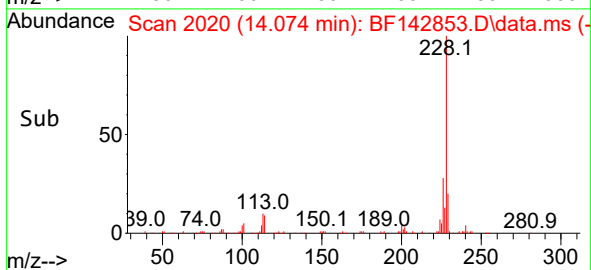
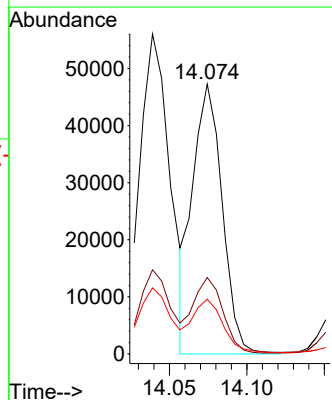
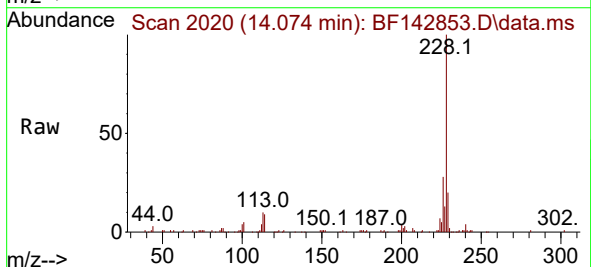
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL2

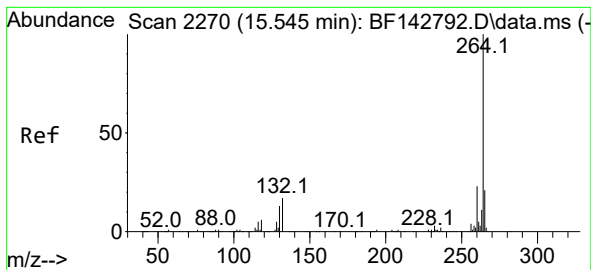
Tgt Ion:228 Resp: 78026
Ion Ratio Lower Upper
228 100
226 26.3 21.2 31.8
229 20.6 15.6 23.4



#83
Chrysene
Concen: 6.367 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142853.D
Acq: 25 Jun 2025 23:11

Tgt Ion:228 Resp: 62701
Ion Ratio Lower Upper
228 100
226 28.3 23.7 35.5
229 20.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142853.D

Acq: 25 Jun 2025 23:11

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL2

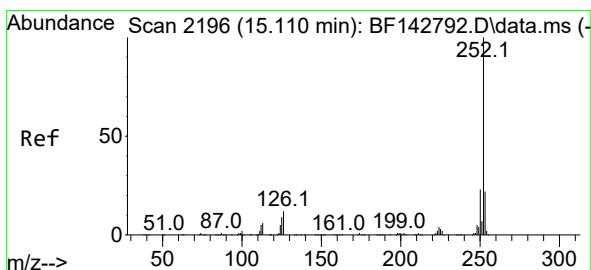
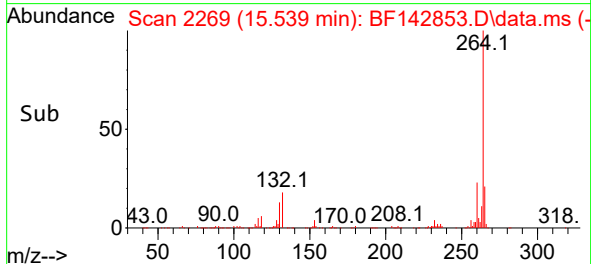
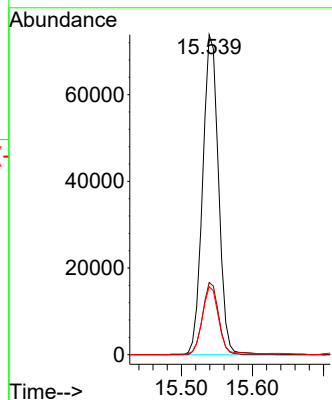
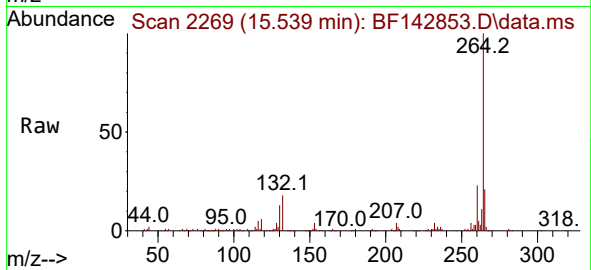
Tgt Ion:264 Resp: 114854

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.2 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.619 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142853.D

Acq: 25 Jun 2025 23:11

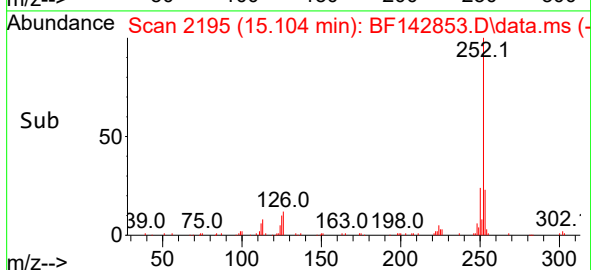
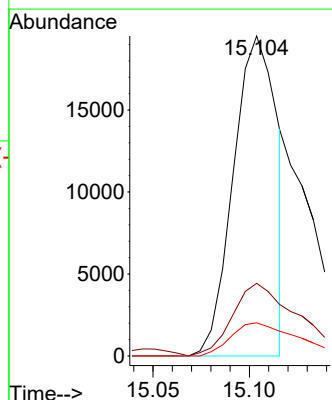
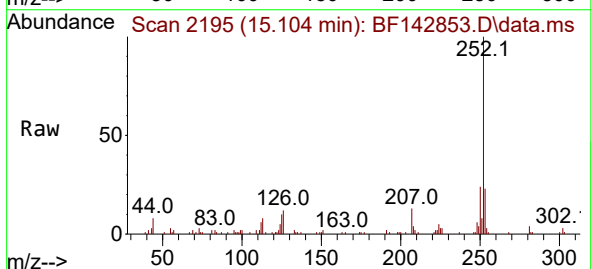
Tgt Ion:252 Resp: 30701

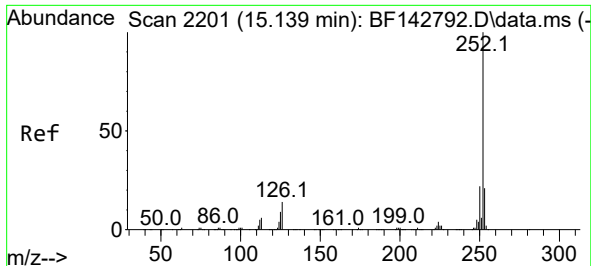
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 2.255 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF142853.D

Acq: 25 Jun 2025 23:11

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL2

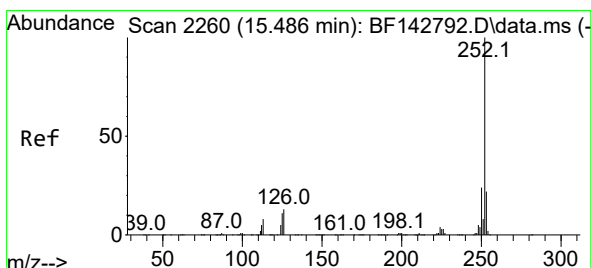
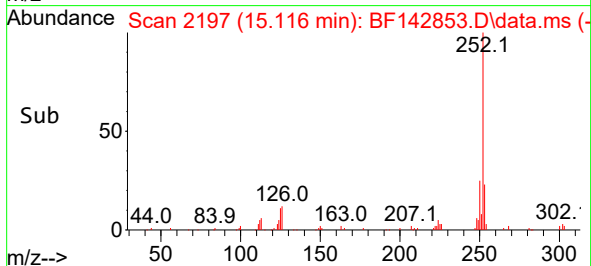
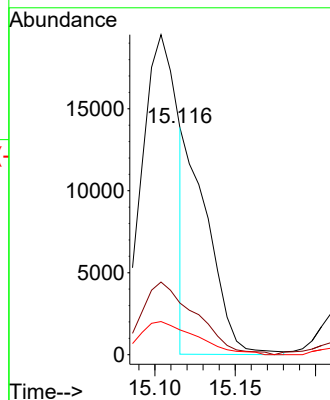
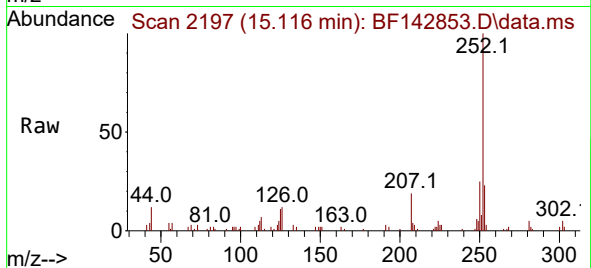
Tgt Ion:252 Resp: 14019

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 10.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 2.356 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF142853.D

Acq: 25 Jun 2025 23:11

Tgt Ion:252 Resp: 15126

Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 12.3 8.6 12.8

