

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142852.D
 Acq On : 25 Jun 2025 22:41
 Operator : RC/JU
 Sample : Q2386-01DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025DL

Quant Time: Jun 26 01:21:49 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)

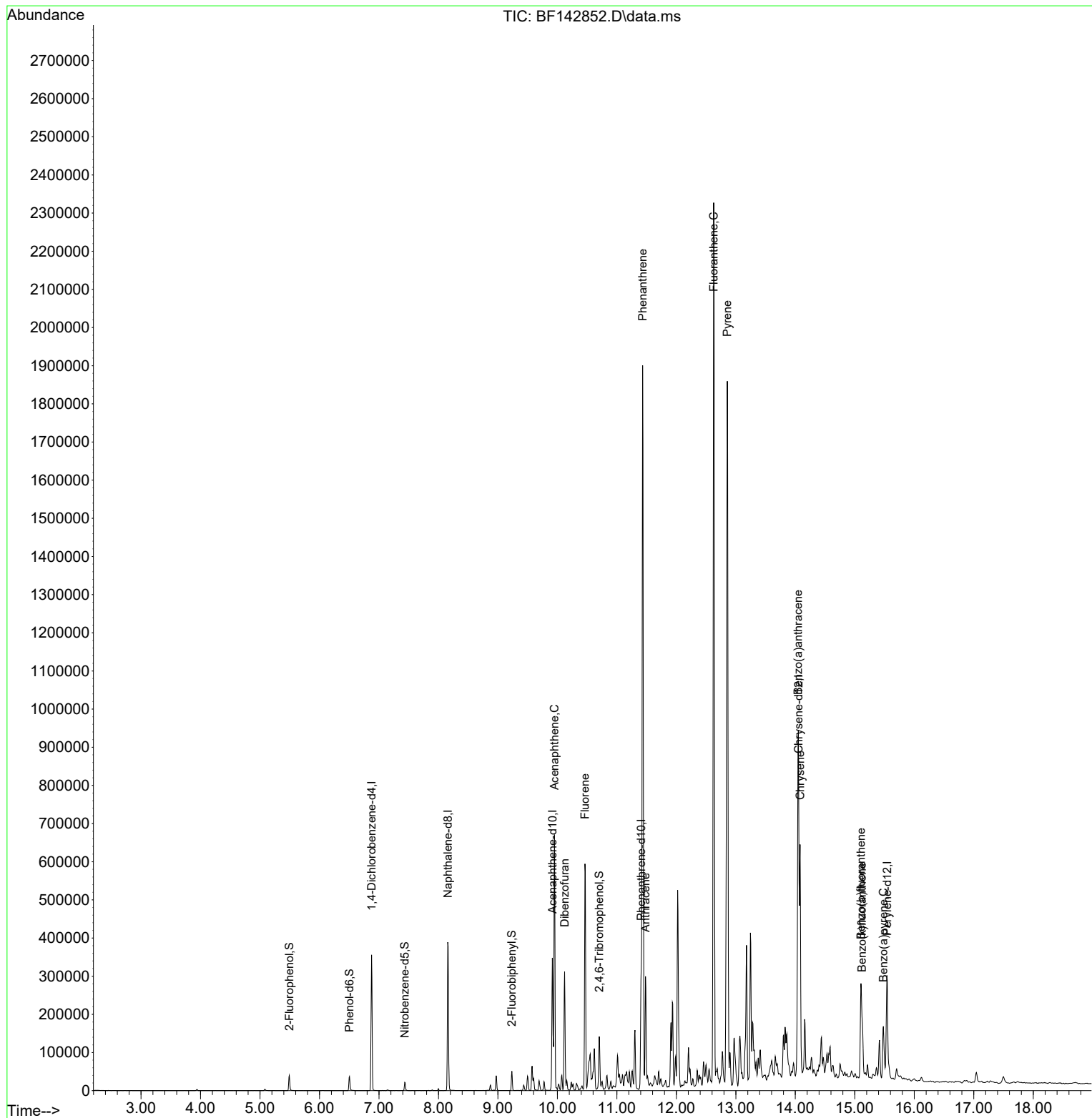
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77128	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	259166	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	102917	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	159916	20.000	ng	0.00
76) Chrysene-d12	14.057	240	194956	20.000	ng	0.00
86) Perylene-d12	15.545	264	142460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	17545	3.787	ng	0.00
7) Phenol-d6	6.504	99	19455	3.560	ng	0.00
23) Nitrobenzene-d5	7.434	82	10518	2.226	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	3115	2.941	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	23620	3.015	ng	-0.01
79) Terphenyl-d14	12.992	244	26314	1.865	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.951	154	204337	33.346	ng	99
55) Dibenzofuran	10.122	168	164230	18.690	ng	99
58) Fluorene	10.463	166	242124	35.282	ng	100
71) Phenanthrene	11.433	178	1046458	120.801	ng	99
72) Anthracene	11.480	178	163551	18.409	ng	99
75) Fluoranthene	12.627	202	1452053	176.621	ng	99
78) Pyrene	12.857	202	1140339	62.402	ng	96
81) Benzo(a)anthracene	14.045	228	390495	29.691	ng	98
83) Chrysene	14.080	228	299299	25.503	ng	99
88) Benzo(b)fluoranthene	15.104	252	174787m	21.203	ng	
89) Benzo(k)fluoranthene	15.121	252	58679m	7.608	ng	
90) Benzo(a)pyrene	15.480	252	80615	10.123	ng	99

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

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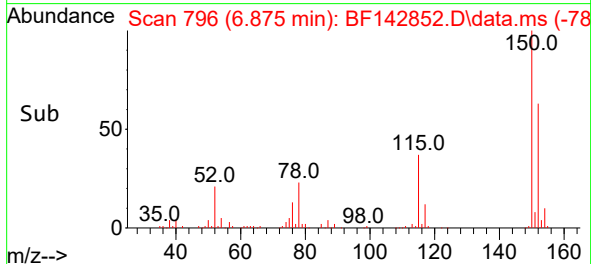
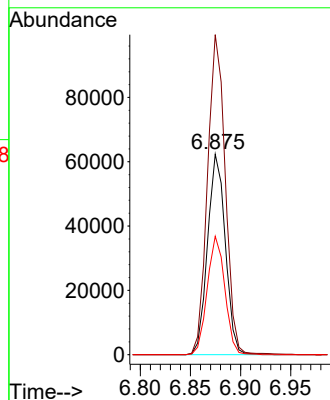
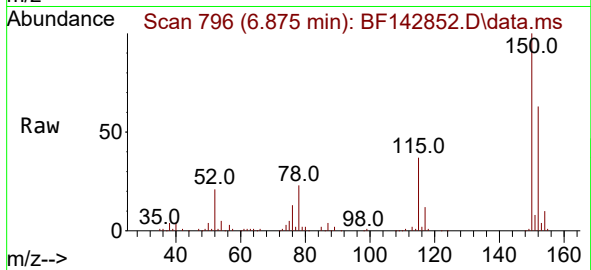




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

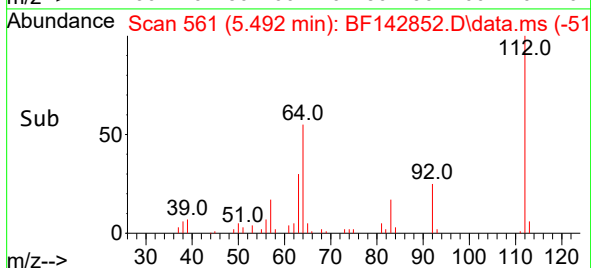
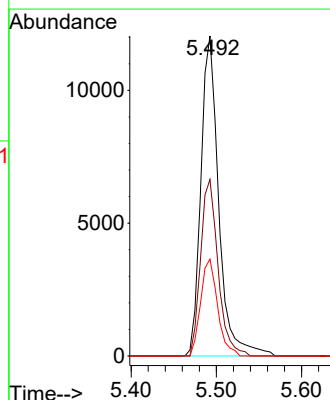
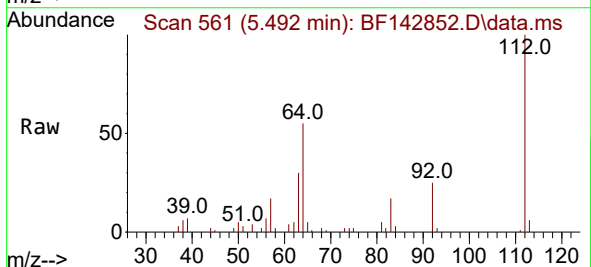
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

Tgt Ion:152 Resp: 77128
Ion Ratio Lower Upper
152 100
150 159.6 127.2 190.8
115 59.0 46.6 69.8



#5
2-Fluorophenol
Concen: 3.787 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Tgt Ion:112 Resp: 17545
Ion Ratio Lower Upper
112 100
64 55.2 48.2 72.2
63 30.3 25.7 38.5

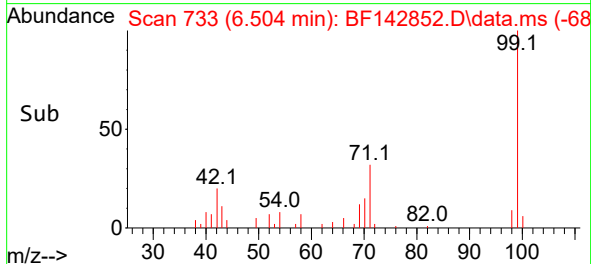
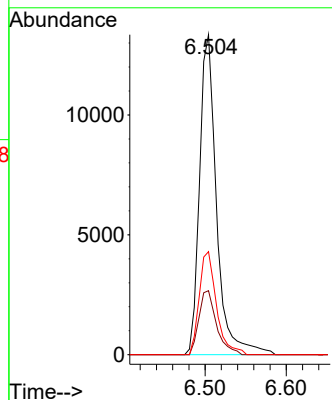
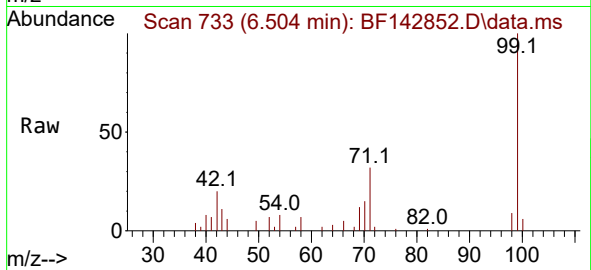




#7
Phenol-d6
Concen: 3.560 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

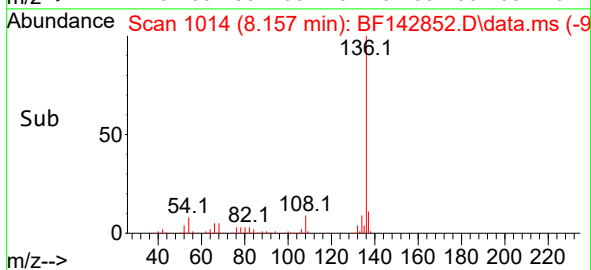
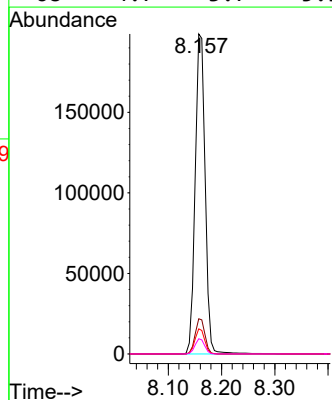
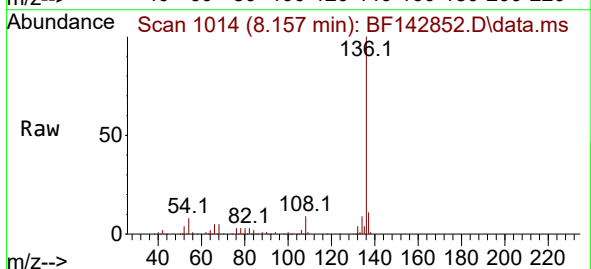
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

Tgt Ion:	99	Resp:	19455
Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	32.2	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: BF142852.D
Acq: 25 Jun 2025 22:41

Tgt Ion:	136	Resp:	259166
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.8	6.3	9.5
68	4.7	3.7	5.5





#23

Nitrobenzene-d5

Concen: 2.226 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL

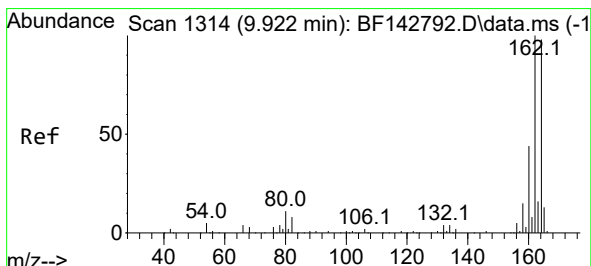
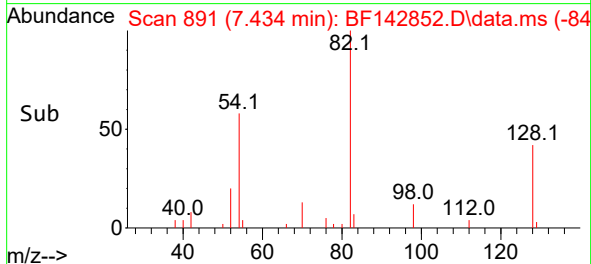
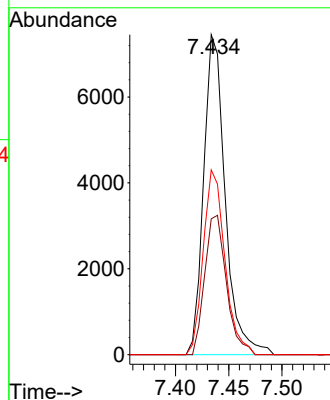
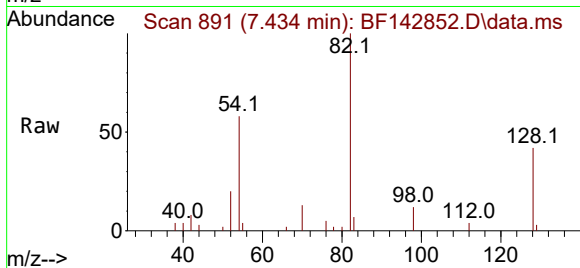
Tgt Ion: 82 Resp: 10518

Ion Ratio Lower Upper

82 100

128 42.5 37.7 56.5

54 57.7 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: BF142852.D

Acq: 25 Jun 2025 22:41

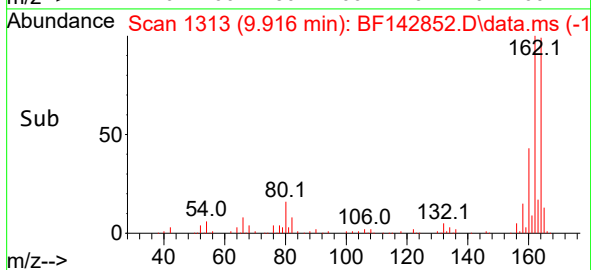
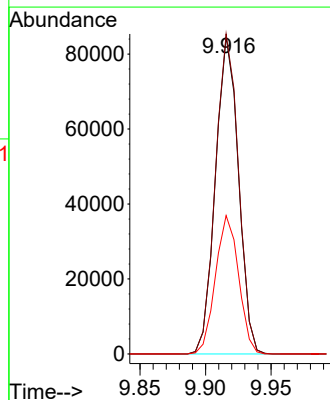
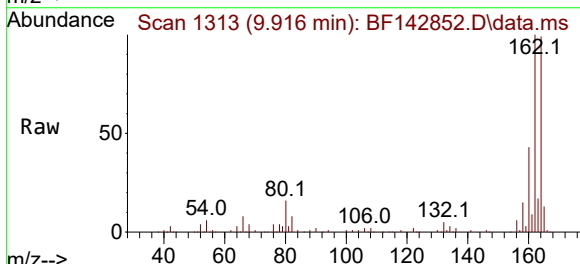
Tgt Ion:164 Resp: 102917

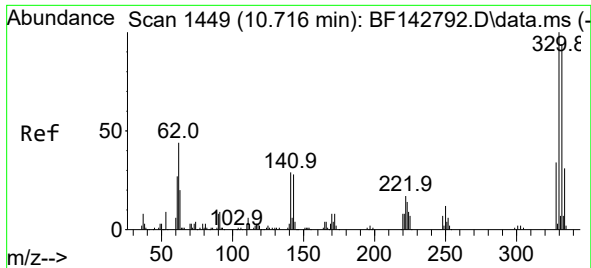
Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

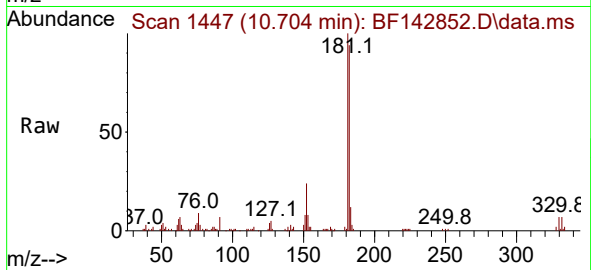
160 43.7 36.0 54.0



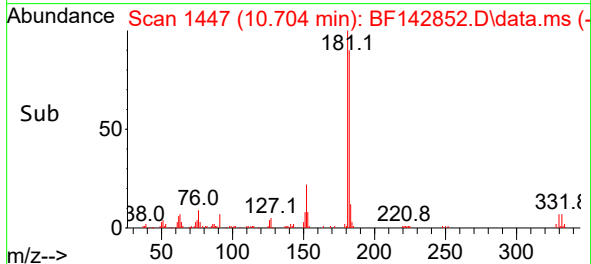
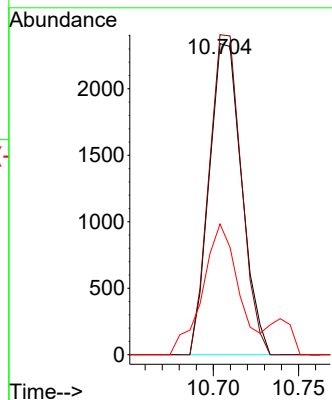


#42
2,4,6-Tribromophenol
Concen: 2.941 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

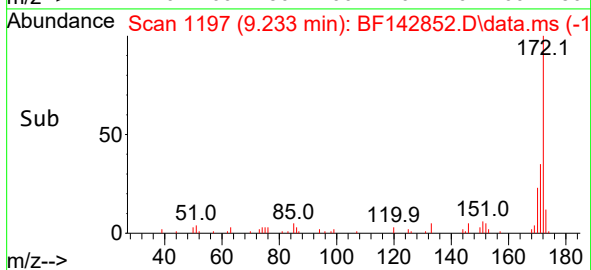
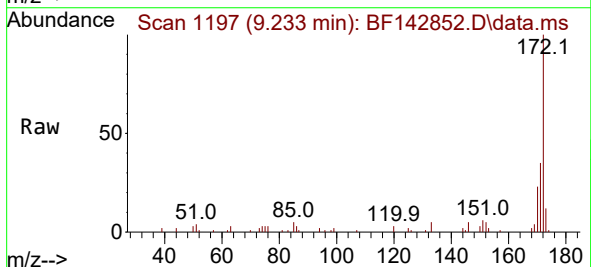
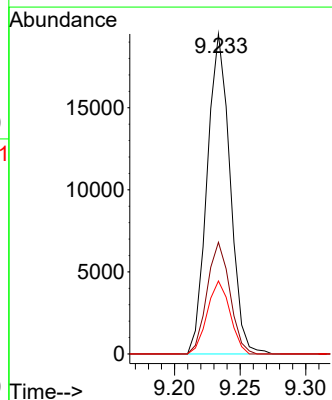


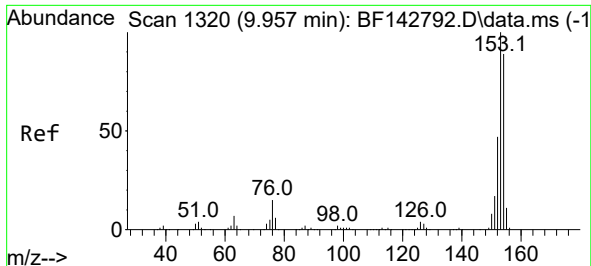
Tgt Ion: 330 Resp: 3115
Ion Ratio Lower Upper
330 100
332 101.5 75.0 112.6
141 46.2 25.3 37.9#



#45
2-Fluorobiphenyl
Concen: 3.015 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Tgt Ion: 172 Resp: 23620
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.8 18.5 27.7

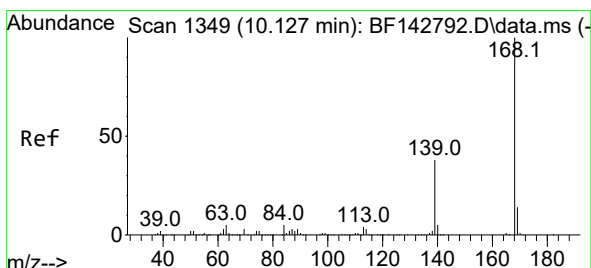
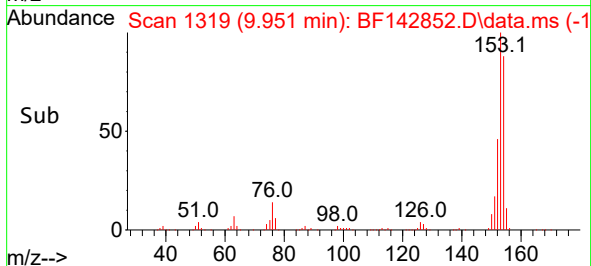
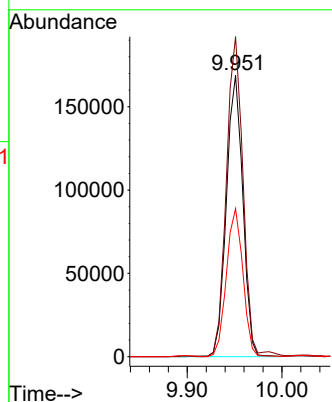
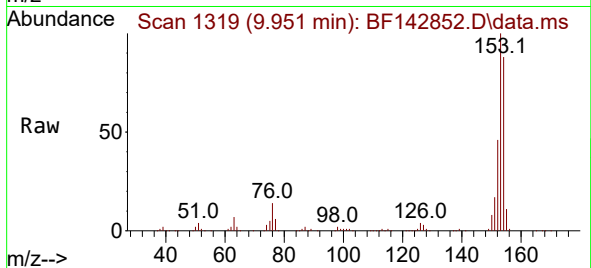




#52
Acenaphthene
Concen: 33.346 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

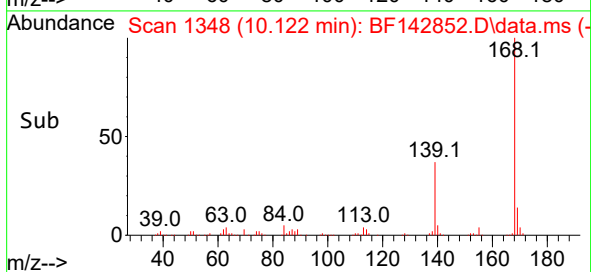
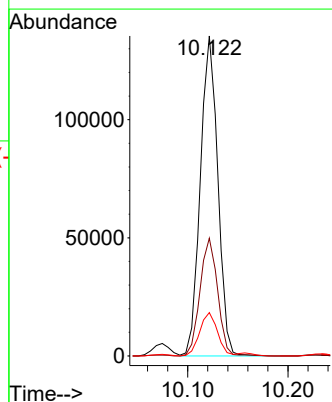
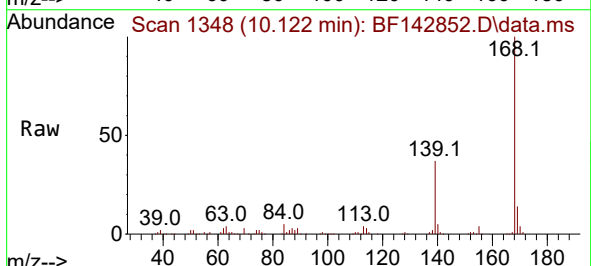
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ClientSampleId :
SU-1-062025DL

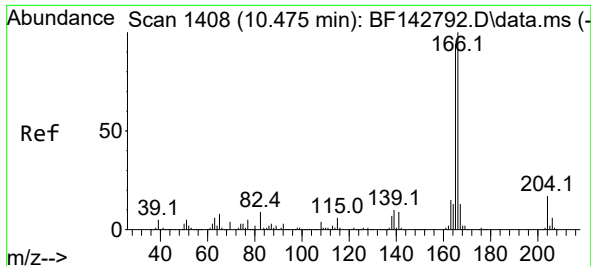
Tgt Ion:154 Resp: 204337
Ion Ratio Lower Upper
154 100
153 113.8 90.0 135.0
152 52.6 41.9 62.9



#55
Dibenzofuran
Concen: 18.690 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Tgt Ion:168 Resp: 164230
Ion Ratio Lower Upper
168 100
139 36.8 30.2 45.4
169 13.5 10.8 16.2

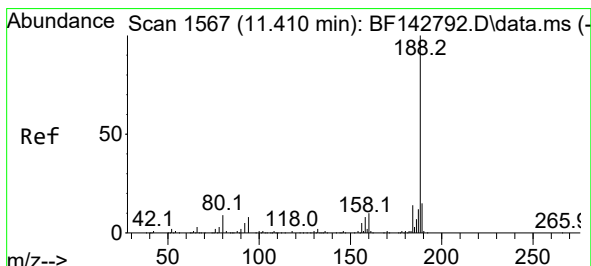
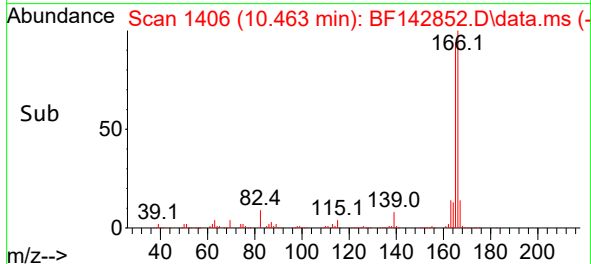
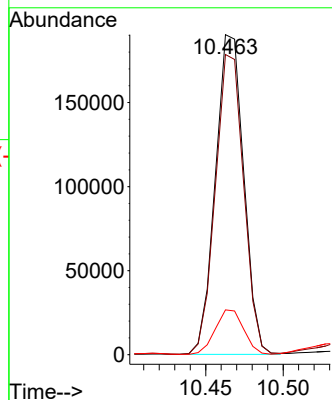
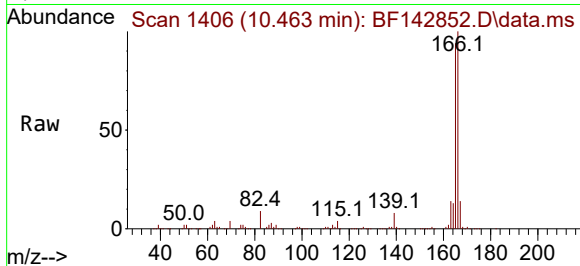




#58
Fluorene
Concen: 35.282 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

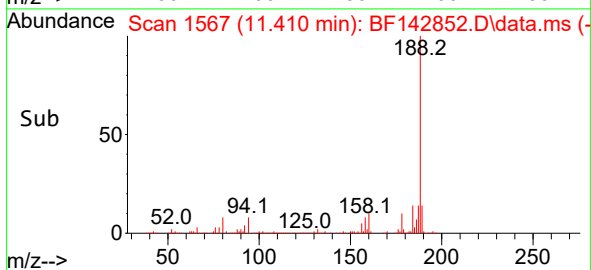
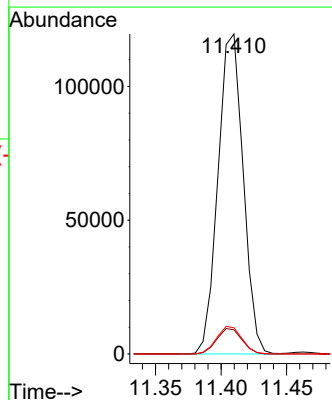
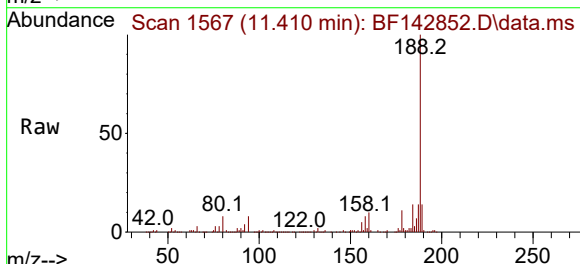
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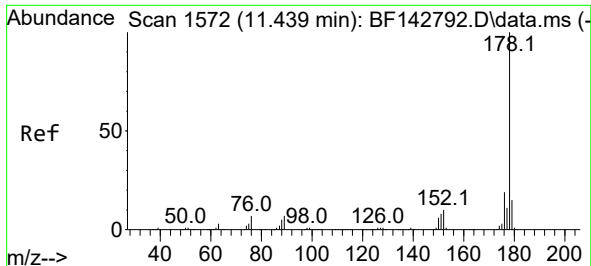
Tgt Ion:166 Resp: 242124
Ion Ratio Lower Upper
166 100
165 93.8 75.2 112.8
167 14.0 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Tgt Ion:188 Resp: 159916
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.2 6.9 10.3

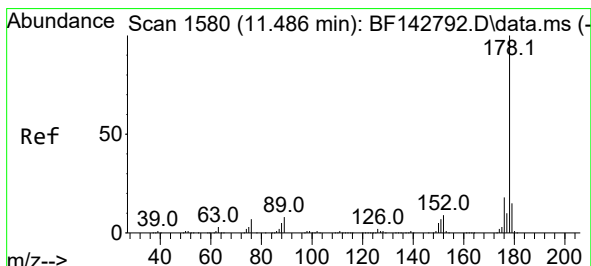
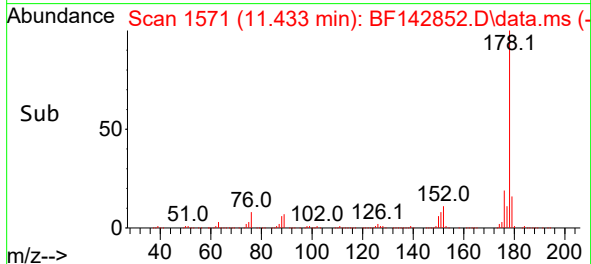
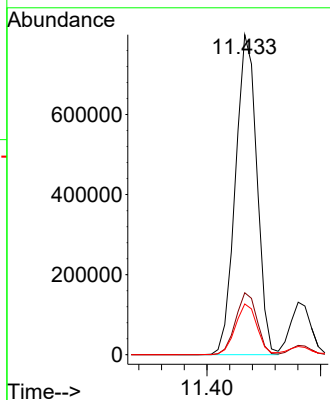
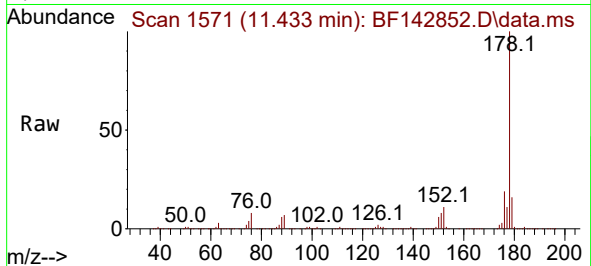




#71
Phenanthrene
Concen: 120.801 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

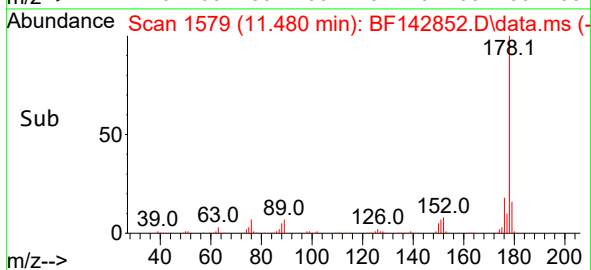
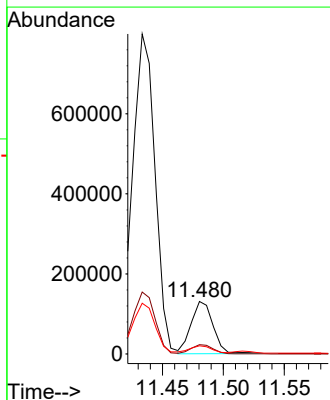
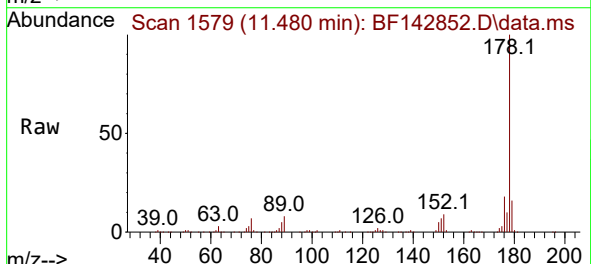
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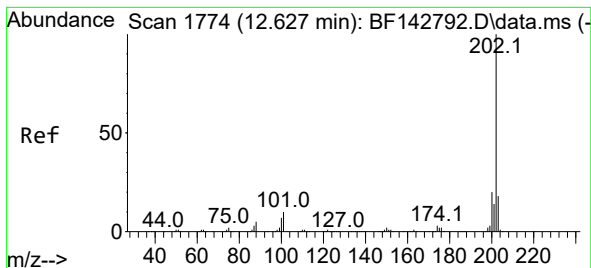
Tgt Ion:178 Resp: 1046458
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.8 12.0 18.0



#72
Anthracene
Concen: 18.409 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Tgt Ion:178 Resp: 163551
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.6 12.4 18.6

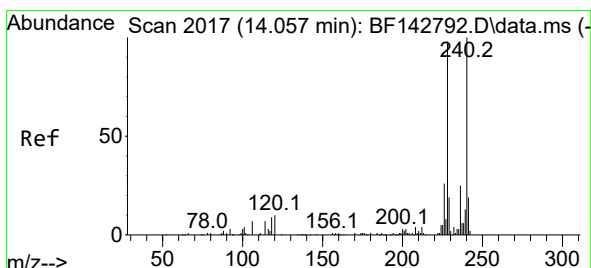
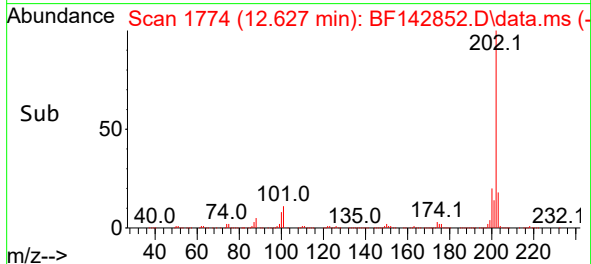
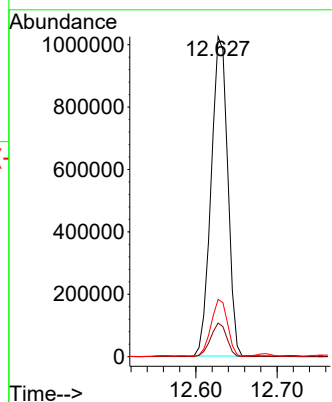
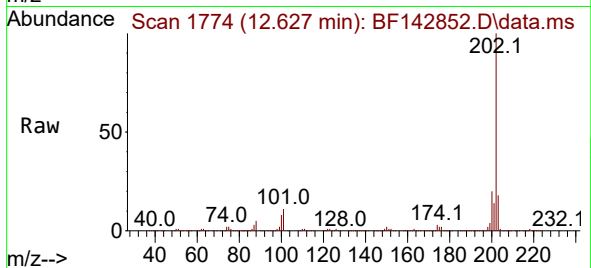




#75
Fluoranthene
Concen: 176.621 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

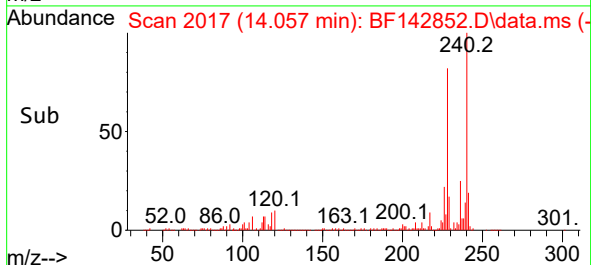
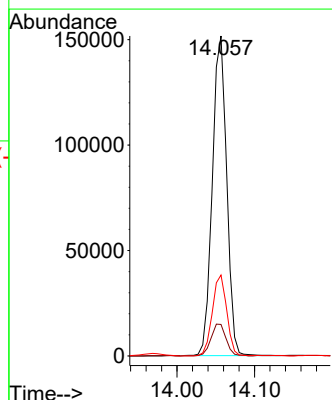
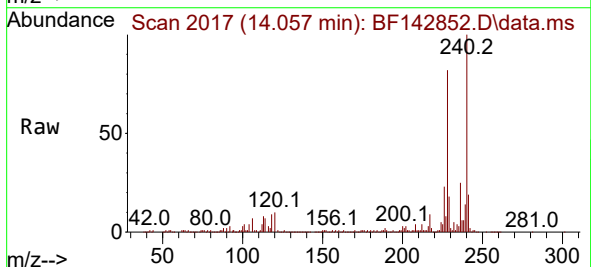
Instrument :
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ClientSampleId :
SU-1-062025DL

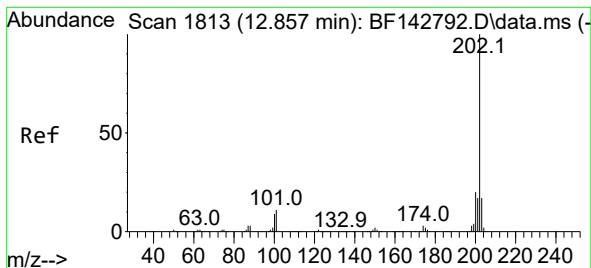
Tgt Ion:202 Resp: 1452053
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.7
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Tgt Ion:240 Resp: 194956
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.3 19.8 29.8





#78

Pyrene

Concen: 62.402 ng

RT: 12.857 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL

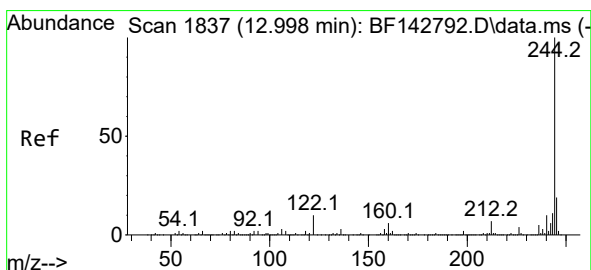
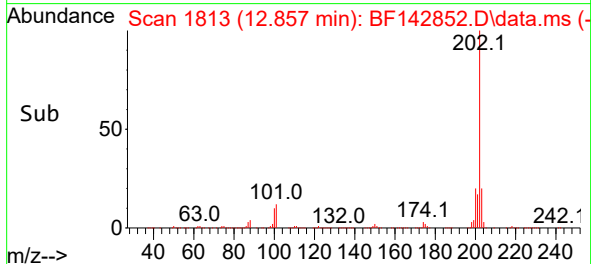
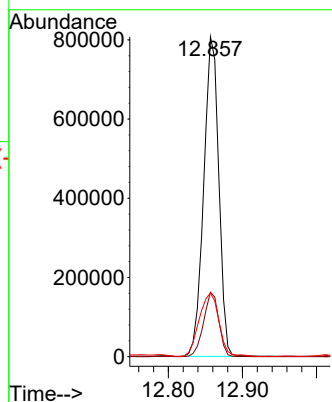
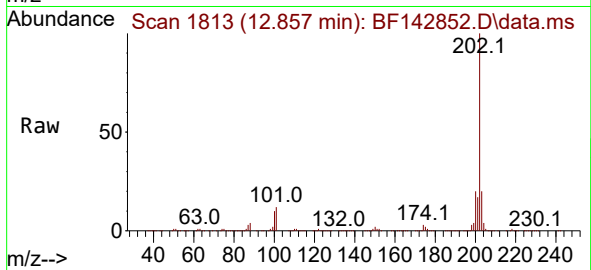
Tgt Ion:202 Resp: 1140339

Ion Ratio Lower Upper

202 100

200 20.2 15.7 23.5

203 19.9 13.8 20.6



#79

Terphenyl-d14

Concen: 1.865 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

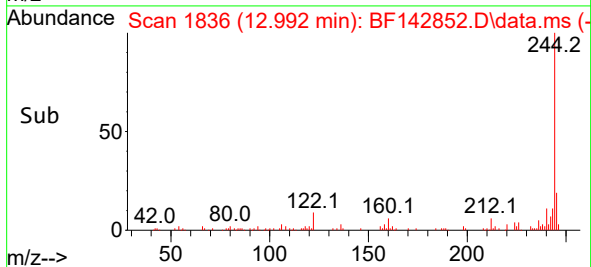
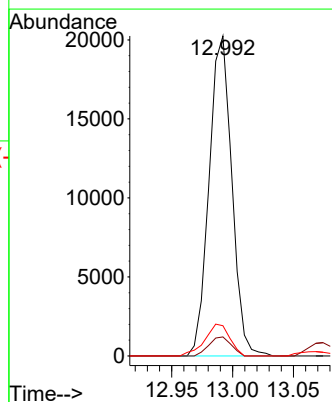
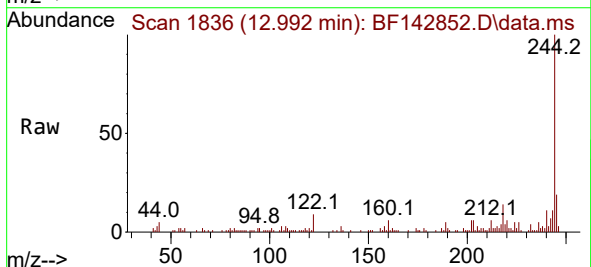
Tgt Ion:244 Resp: 26314

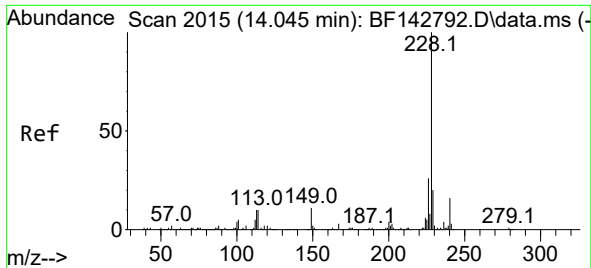
Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

122 9.4 8.2 12.2

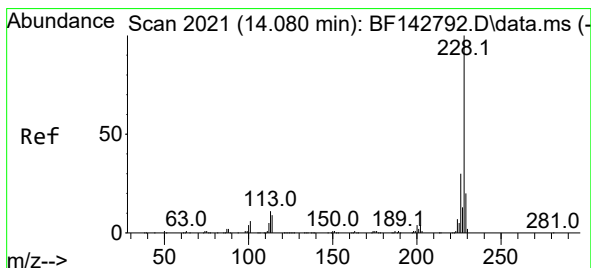
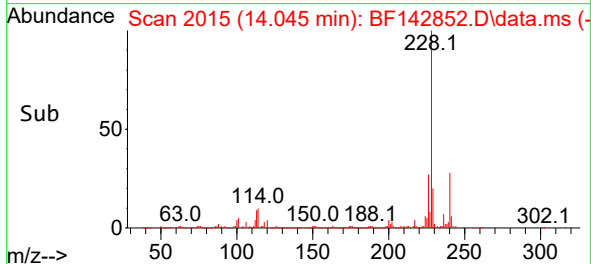
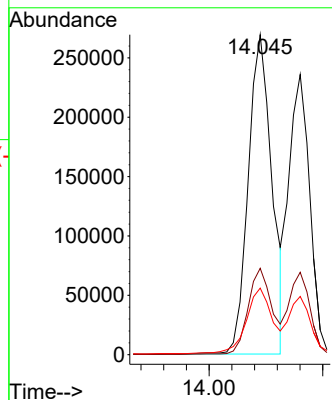
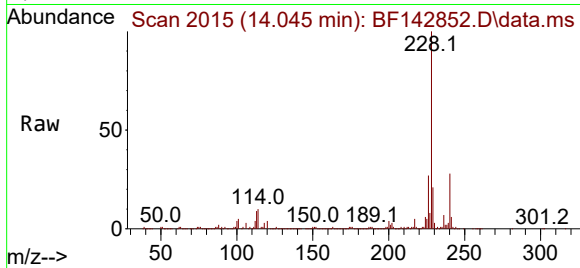




#81
Benzo(a)anthracene
Concen: 29.691 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

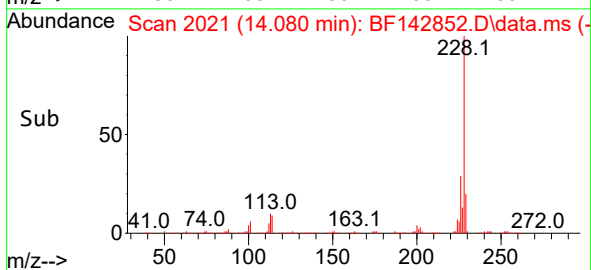
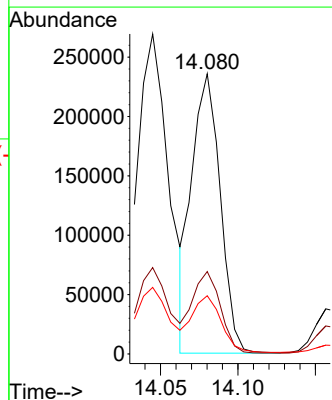
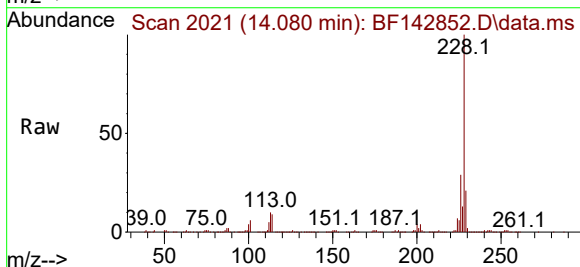
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

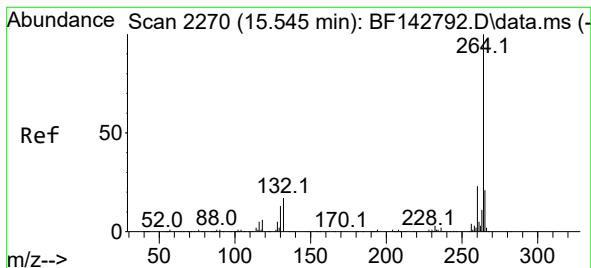
Tgt Ion:228 Resp: 390495
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 20.8 15.6 23.4



#83
Chrysene
Concen: 25.503 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Tgt Ion:228 Resp: 299299
Ion Ratio Lower Upper
228 100
226 29.4 23.7 35.5
229 20.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL

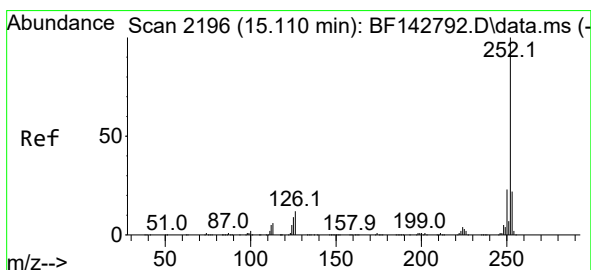
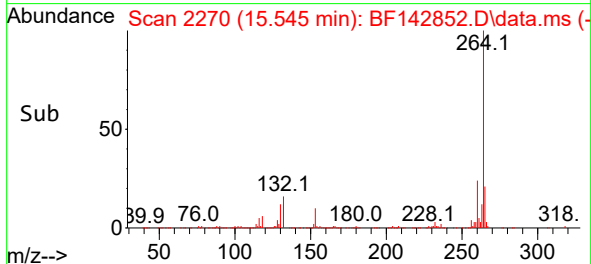
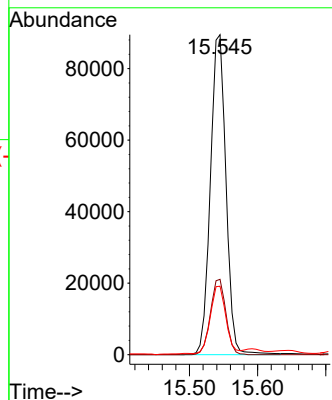
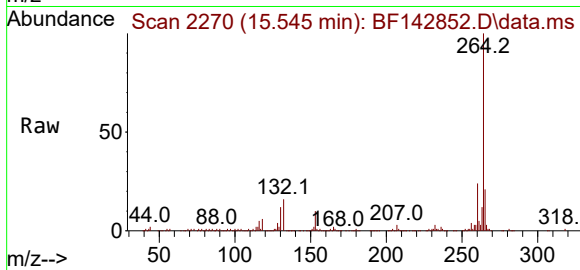
Tgt Ion:264 Resp: 142460

Ion Ratio Lower Upper

264 100

260 23.6 18.1 27.1

265 21.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 21.203 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

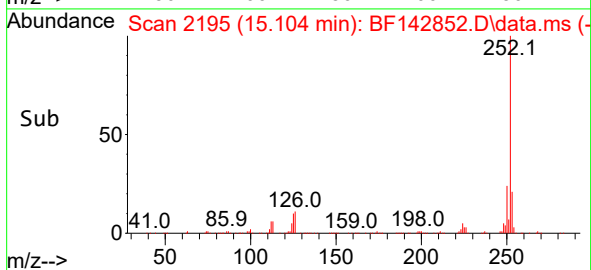
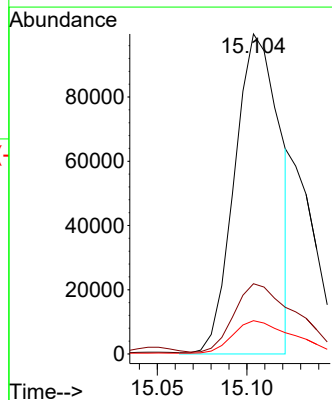
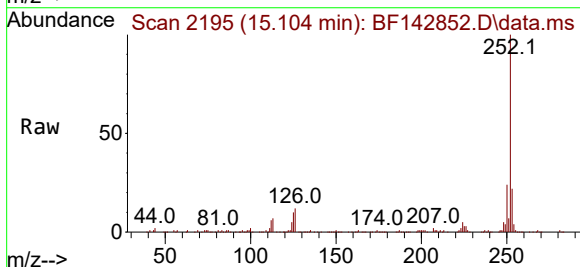
Tgt Ion:252 Resp: 174787

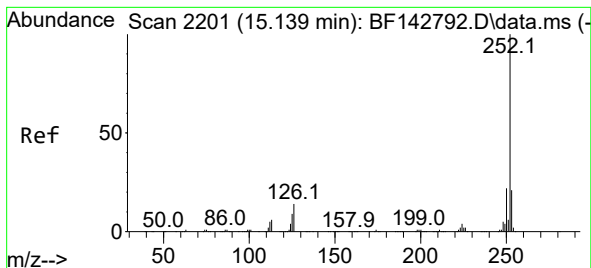
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.4 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 7.608 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL

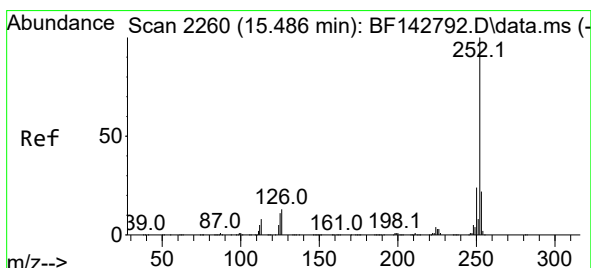
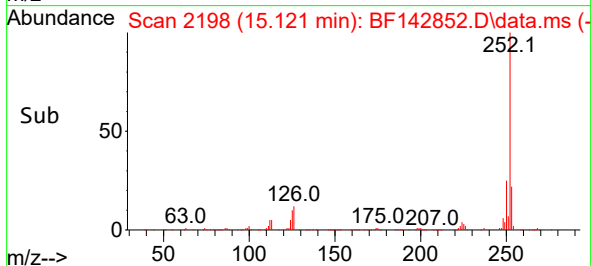
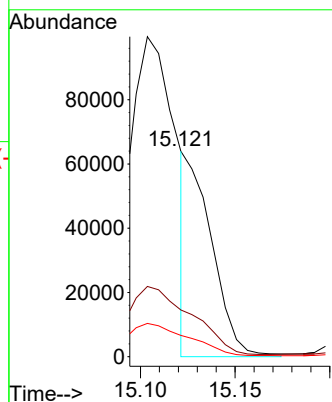
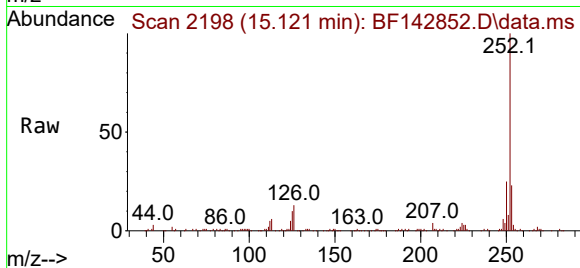
Tgt Ion:252 Resp: 58679

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 10.4 7.4 11.2



#90

Benzo(a)pyrene

Concen: 10.123 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

Tgt Ion:252 Resp: 80615

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.2 8.6 12.8

