

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)

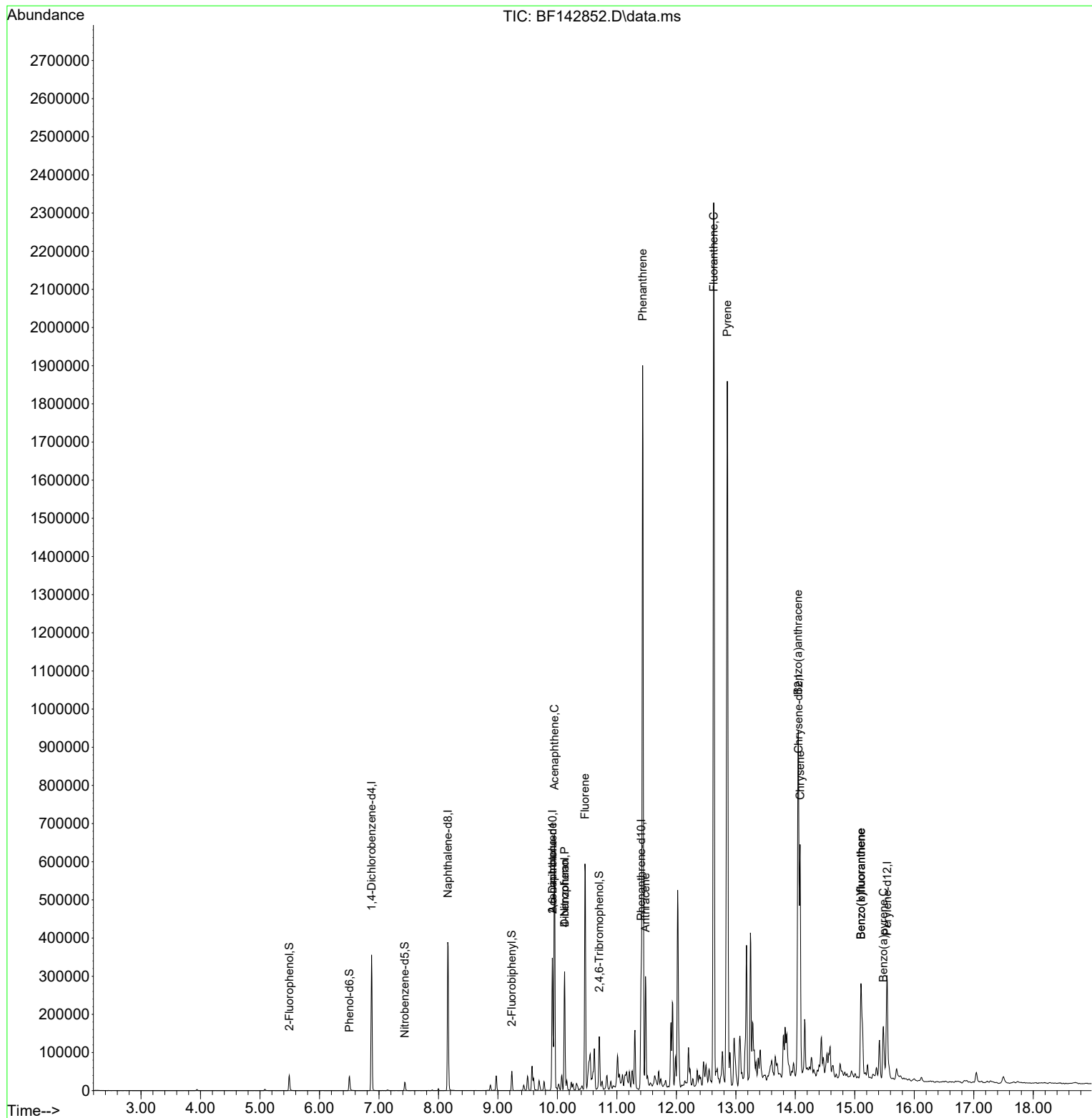
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77128	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	259166	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	102917	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	159916	20.000	ng	0.00
76) Chrysene-d12	14.057	240	194956	20.000	ng	0.00
86) Perylene-d12	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
51) 2,6-Dinitrotoluene	9.916	165	14092	9.632	ng	# 26
52) Acenaphthene	9.951	154	204337	33.346	ng	99
55) Dibenzofuran	10.122	168	164230	18.690	ng	99
56) 4-Nitrophenol	10.122	139	61107	55.414	ng	# 11
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	231082	28.032	ng	99
89) Benzo(k)fluoranthene	15.104	252	231082	29.963	ng	98
90) Benzo(a)pyrene	15.480	252	80615	10.123	ng	99

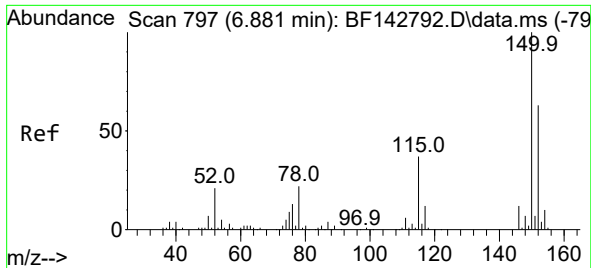
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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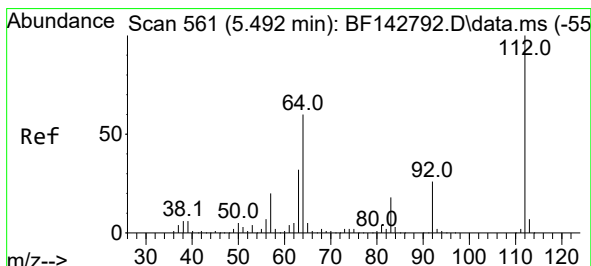
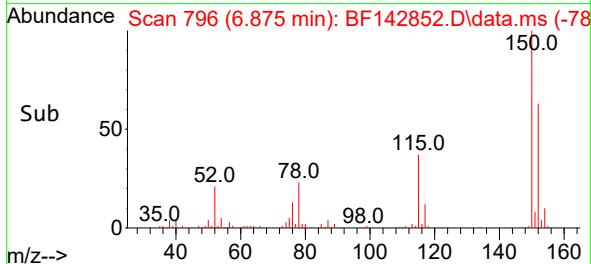
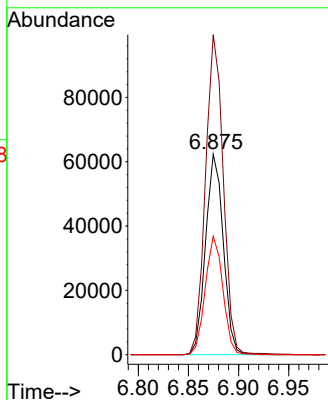
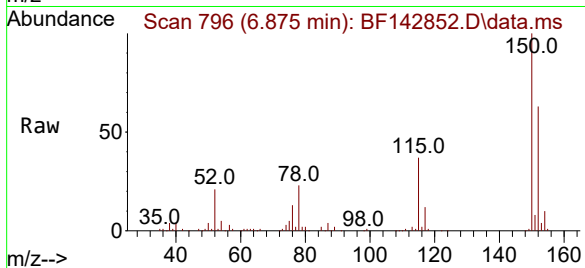




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142852.D
 Acq: 25 Jun 2025 22:41

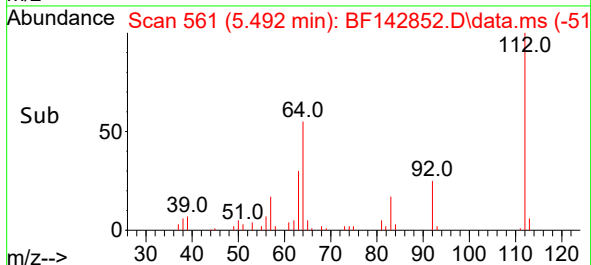
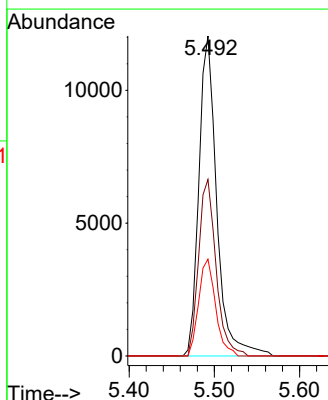
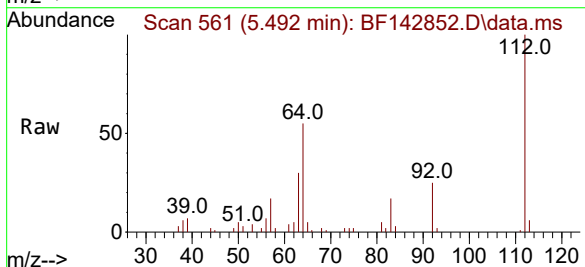
Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025DL

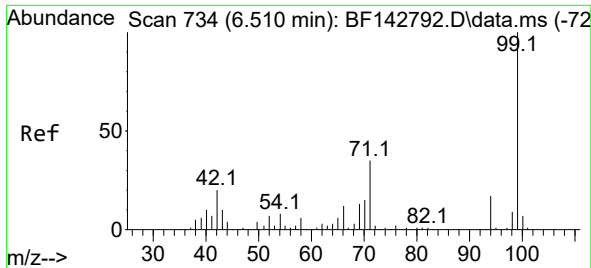
Tgt Ion:152 Resp: 77128
 Ion Ratio Lower Upper
 152 100
 150 159.6 127.2 190.8
 115 59.0 46.6 69.8



#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

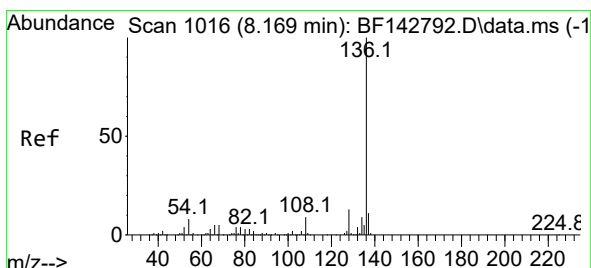
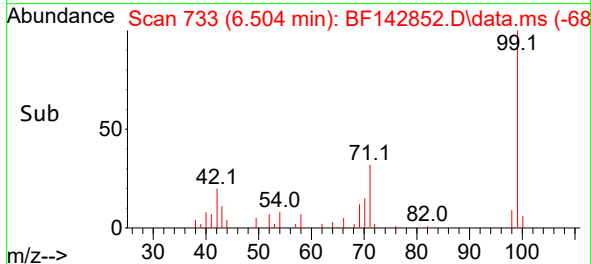
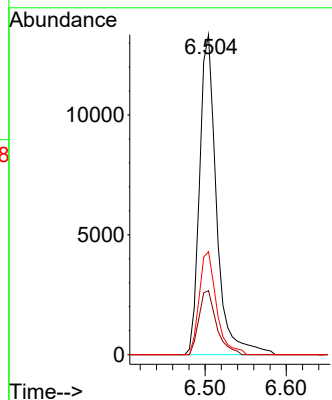
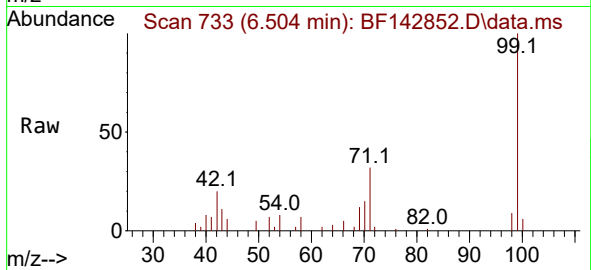




#7
Phenol-d6
Concen: 3.560 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

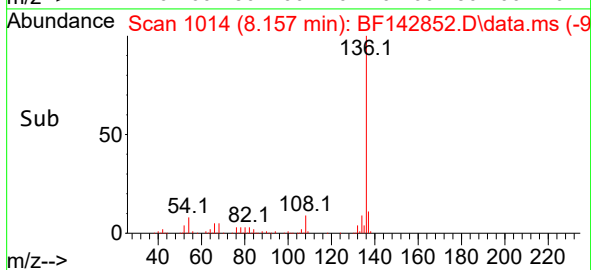
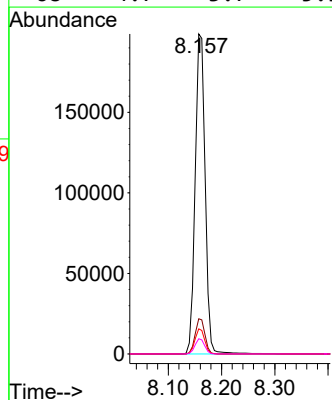
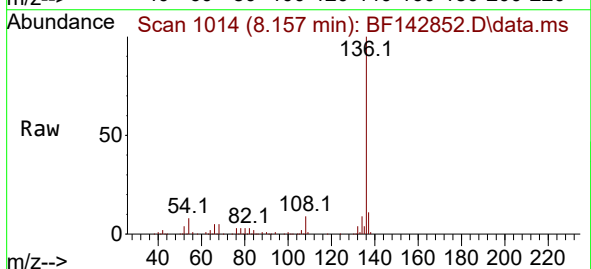
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

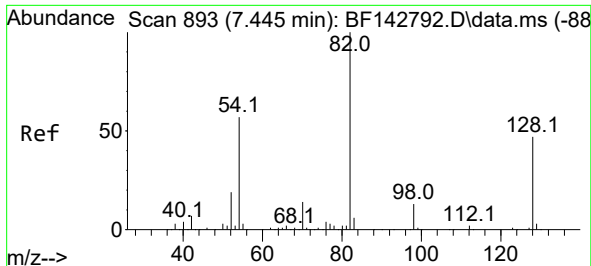
Tgt Ion:	99	Resp:	19455
Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	32.2	27.8	41.8



#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

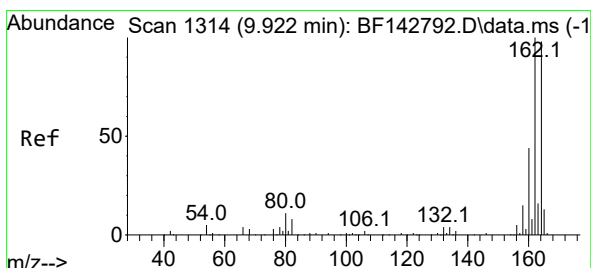
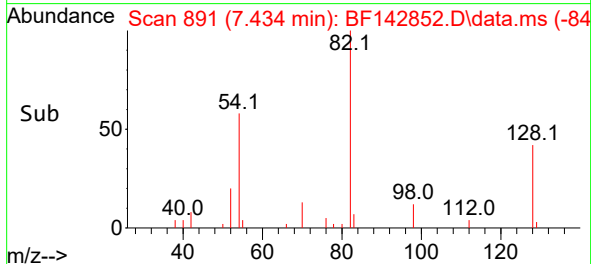
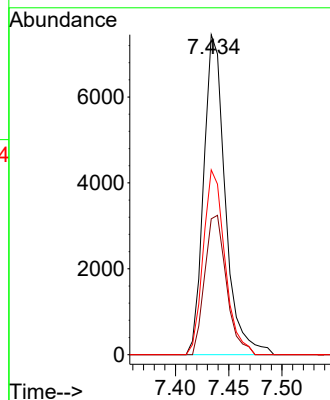
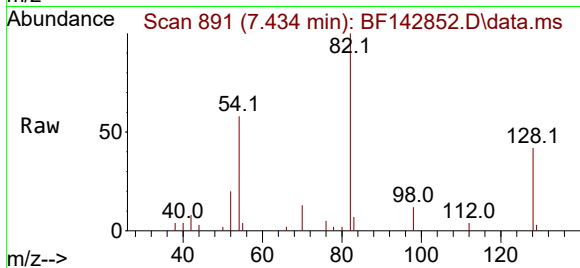
Tgt Ion: 82 Resp: 10518

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

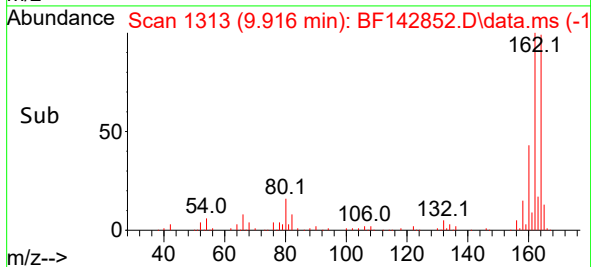
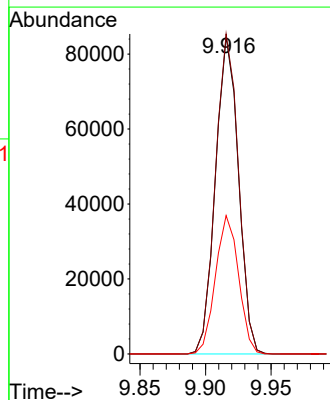
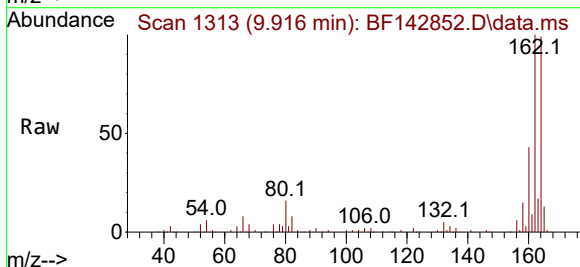
Tgt Ion:164 Resp: 102917

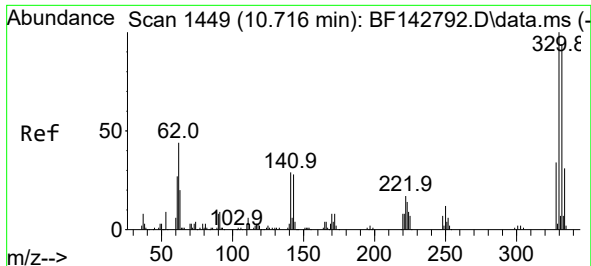
Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 43.7 36.0 54.0

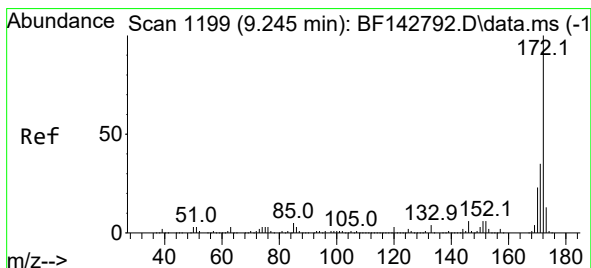
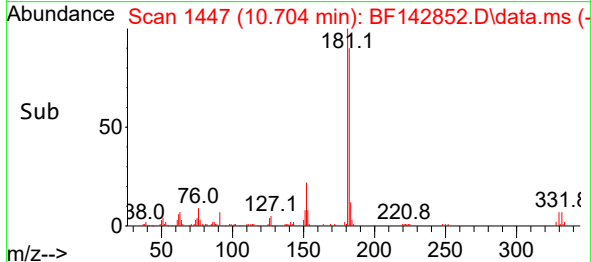
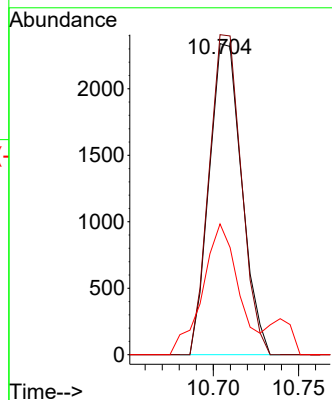
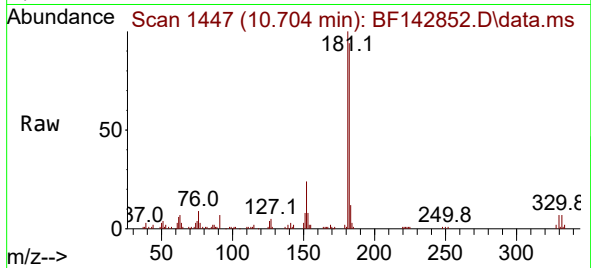




#42
2,4,6-Tribromophenol
Concen: 2.941 ng
RT: 10.704 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

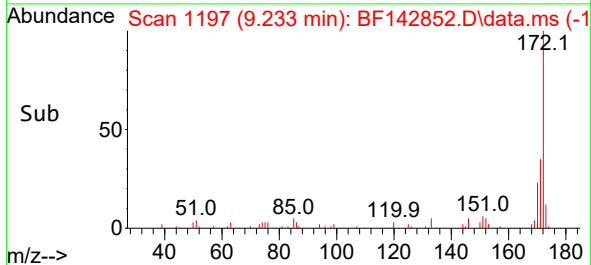
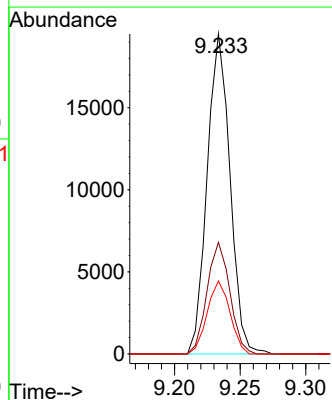
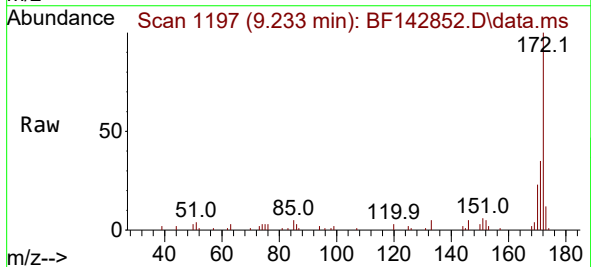
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

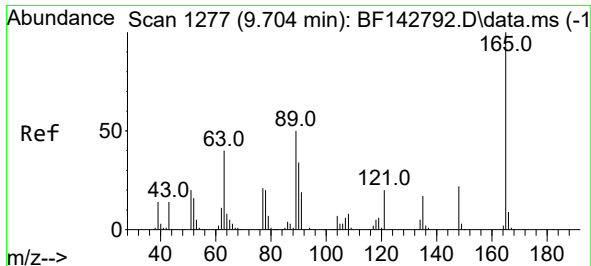
Tgt Ion: 330 Resp: 3115
Ion Ratio Lower Upper
330 100
332 101.5 75.0 112.6
141 46.2 25.3 37.9#



#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

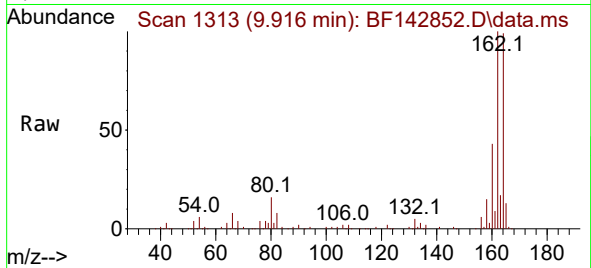
Tgt Ion: 172 Resp: 23620
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.8 18.5 27.7



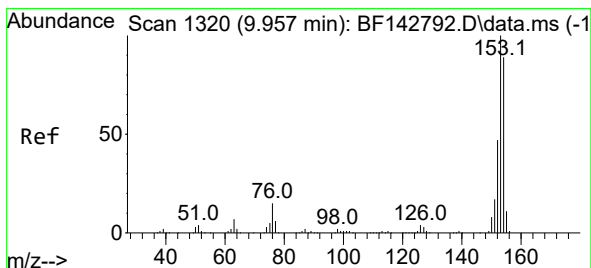
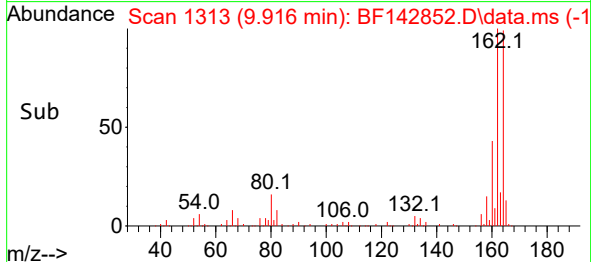
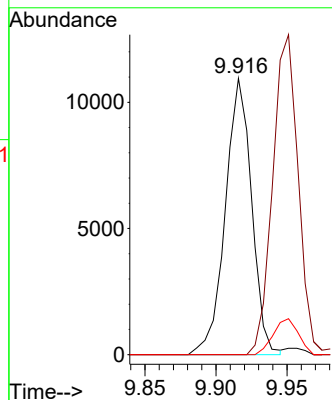


#51
2,6-Dinitrotoluene
Concen: 9.632 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

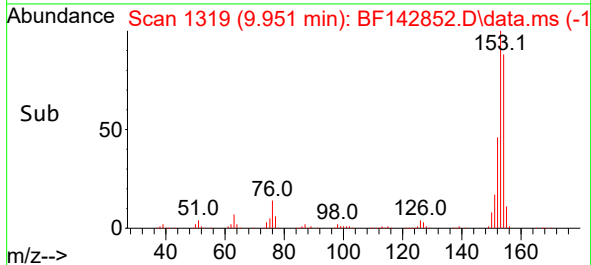
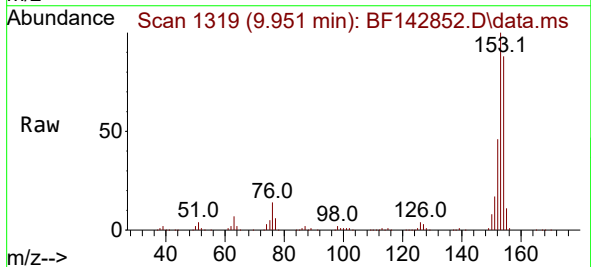
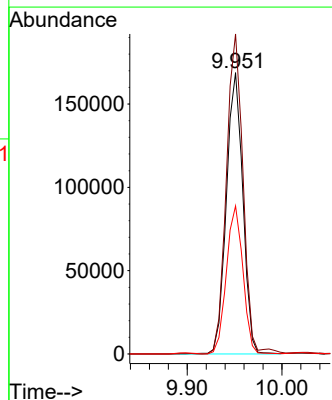


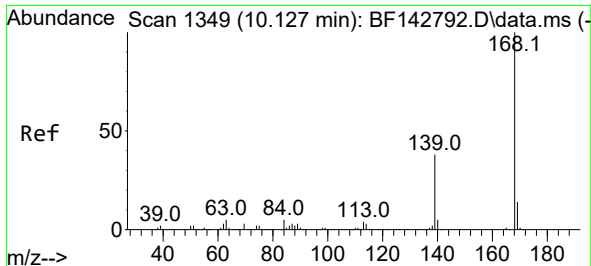
Tgt Ion:165 Resp: 14092
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#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

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

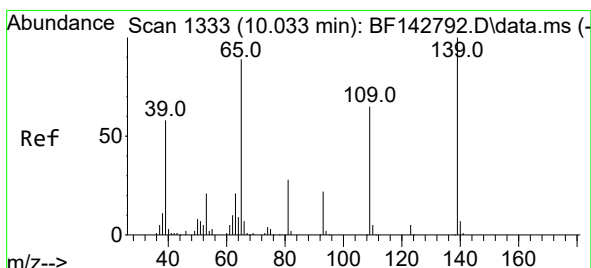
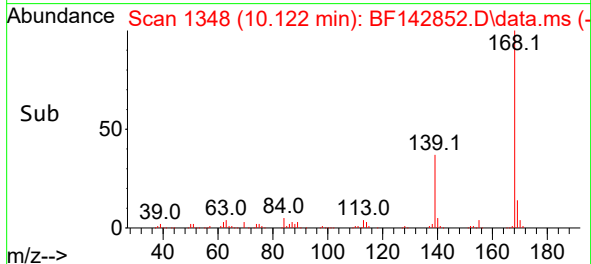
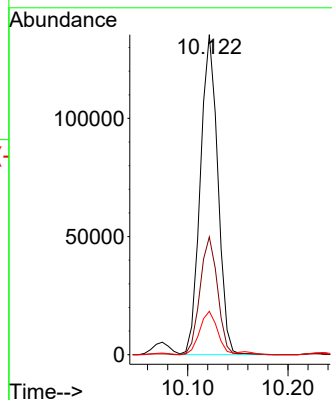
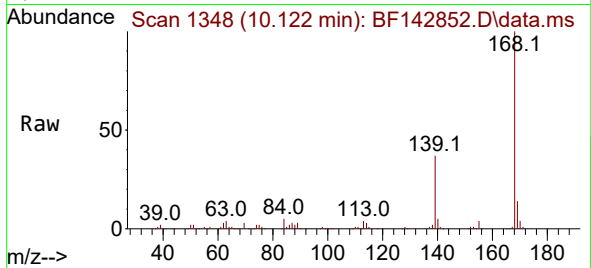




#55
Dibenzenofuran
Concen: 18.690 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

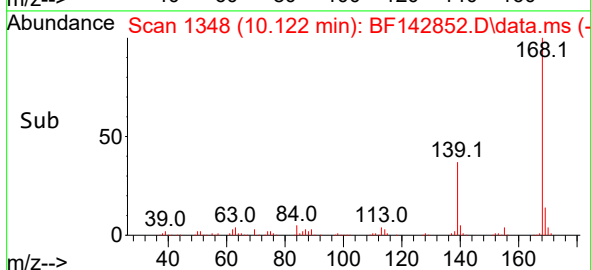
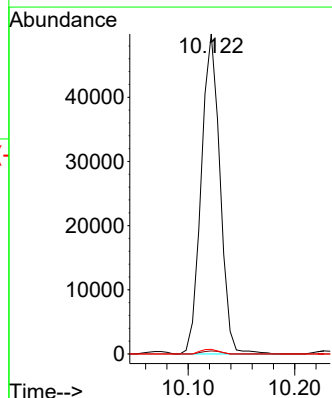
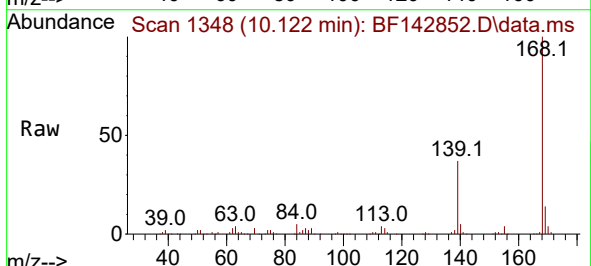
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SU-1-062025DL

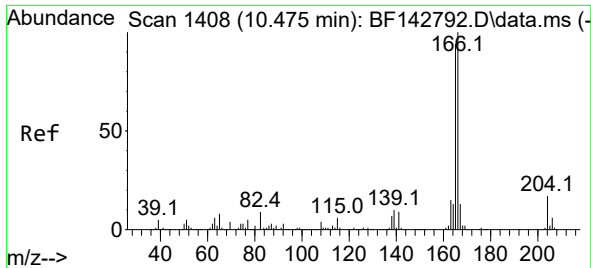
Tgt Ion:168 Resp: 164230
Ion Ratio Lower Upper
168 100
139 36.8 30.2 45.4
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 55.414 ng
RT: 10.122 min Scan# 1348
Delta R.T. 0.088 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

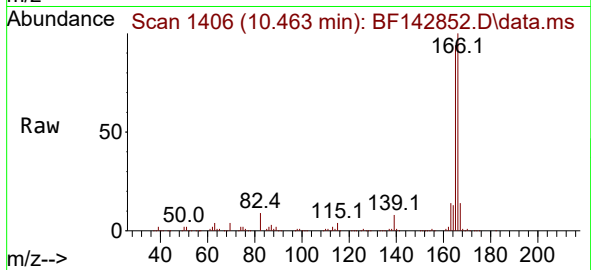
Tgt Ion:139 Resp: 61107
Ion Ratio Lower Upper
139 100
109 1.0 44.7 84.7#
65 1.4 69.8 109.8#



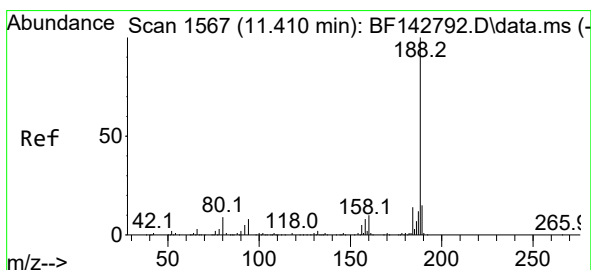
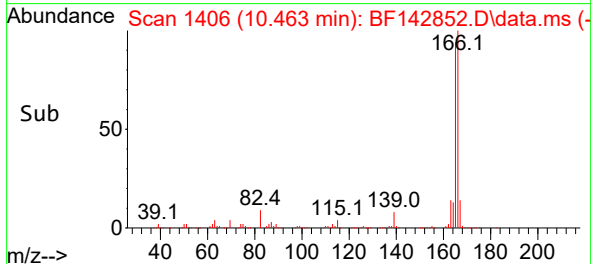
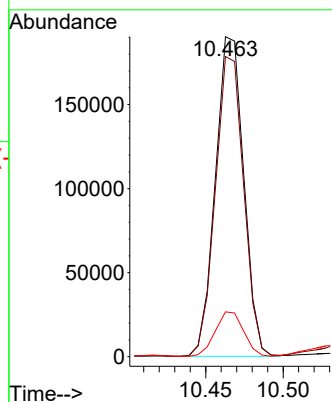


#58
Fluorene
Concen: 35.282 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

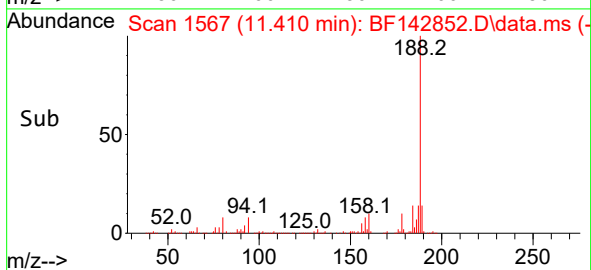
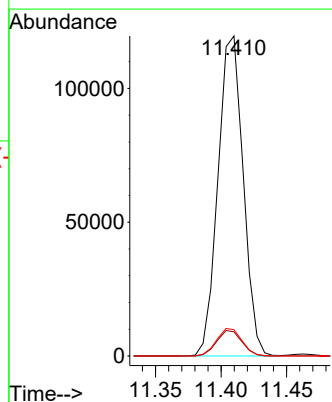
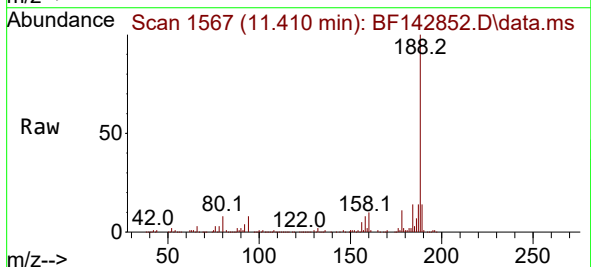


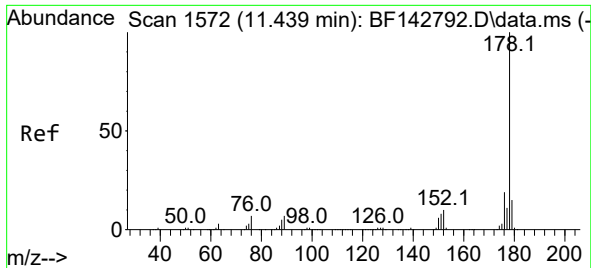
Tgt Ion:166 Resp: 242124
Ion Ratio Lower Upper
166 100
165 93.8 75.2 112.8
167 14.0 10.6 15.8



#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

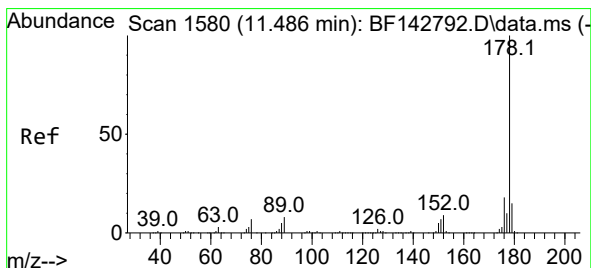
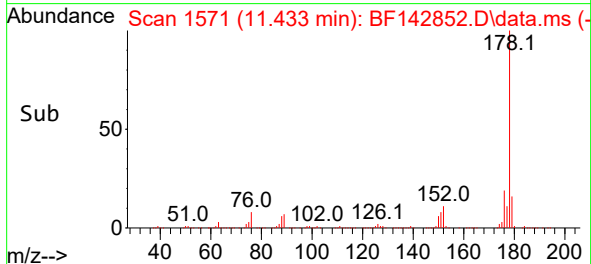
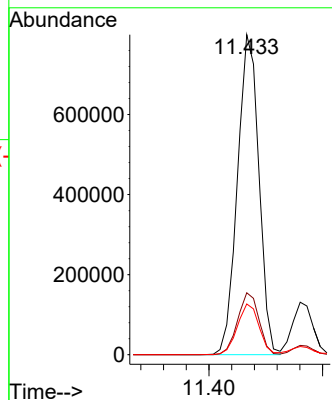
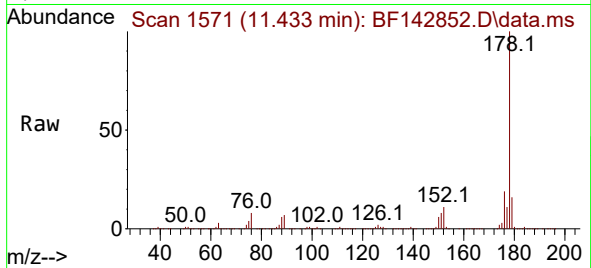




#71
Phenanthrene
Concen: 120.801 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

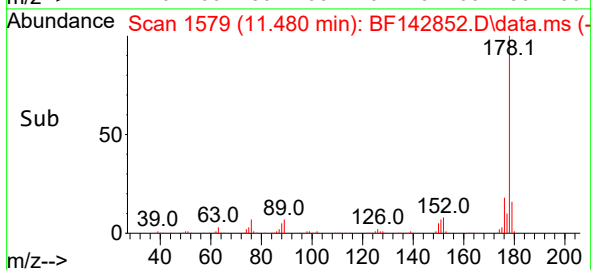
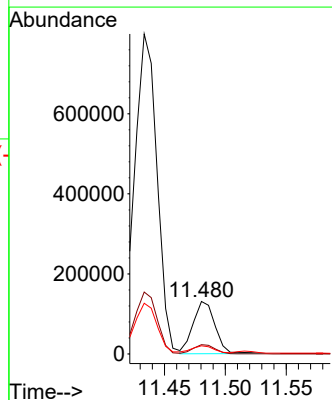
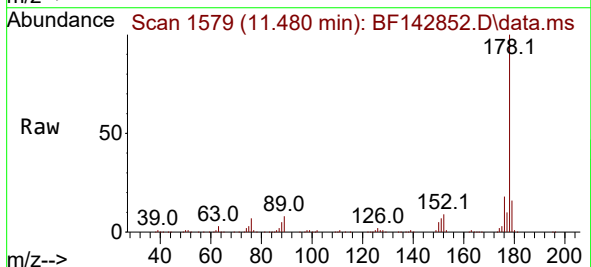
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

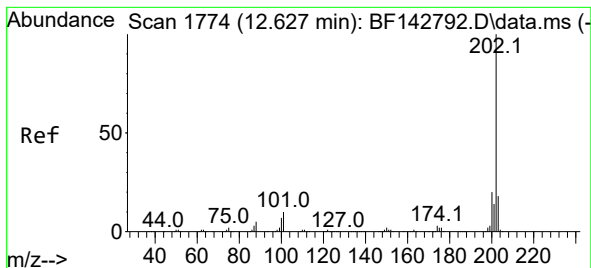
Tgt Ion:178 Resp: 1046458
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.8 12.0 18.0



#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# 1

Delta R.T. 0.000 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL

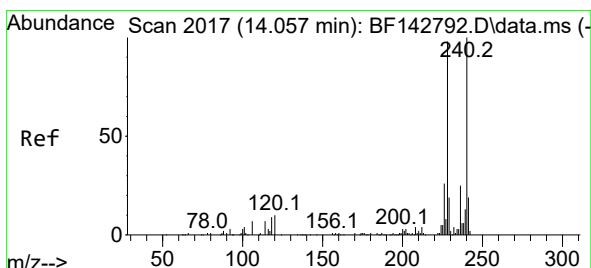
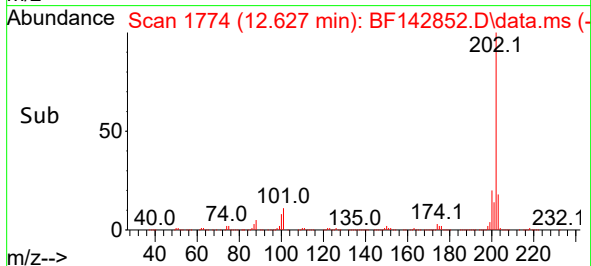
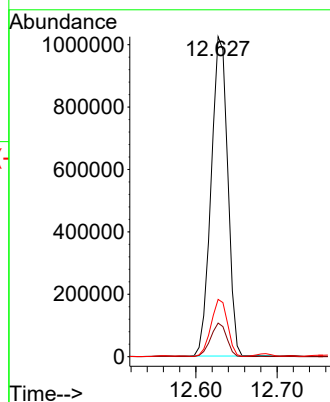
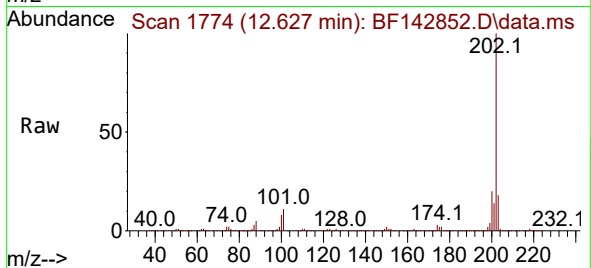
Tgt Ion:202 Resp: 1452053

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

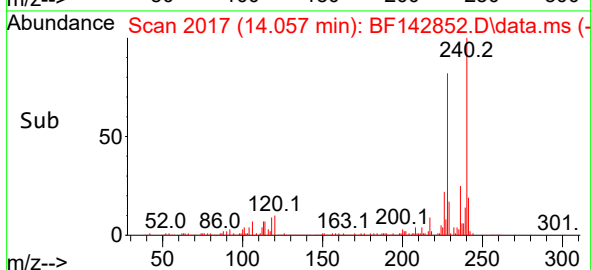
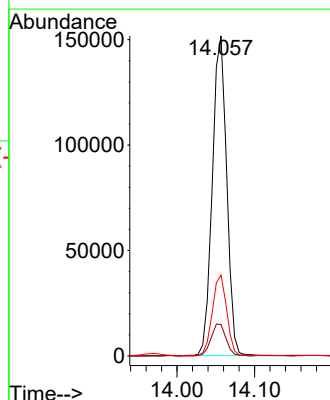
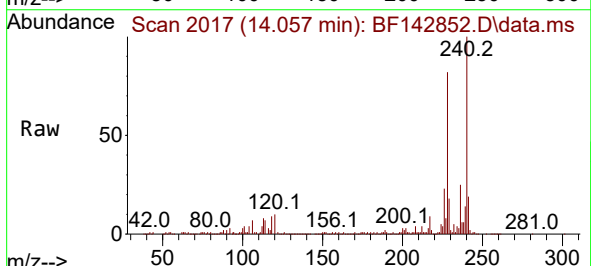
Tgt Ion:240 Resp: 194956

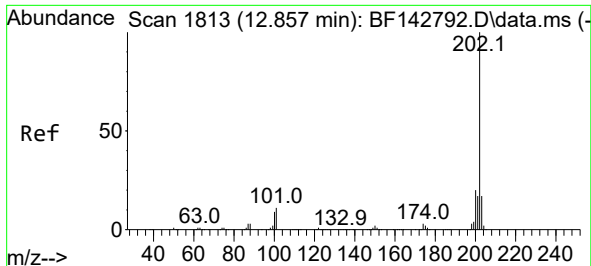
Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 25.3 19.8 29.8

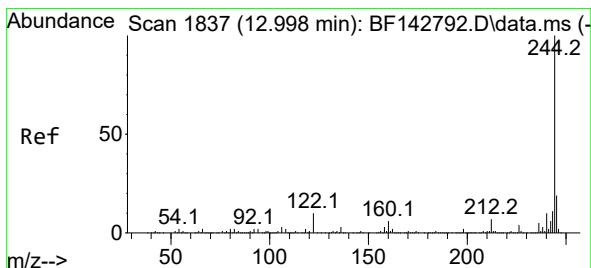
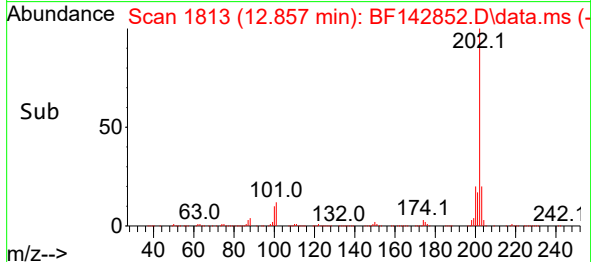
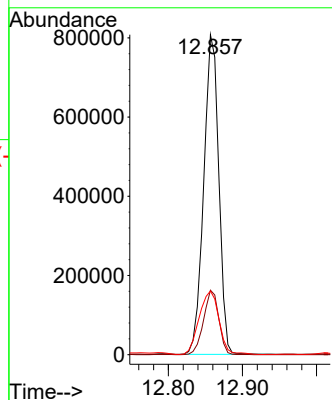
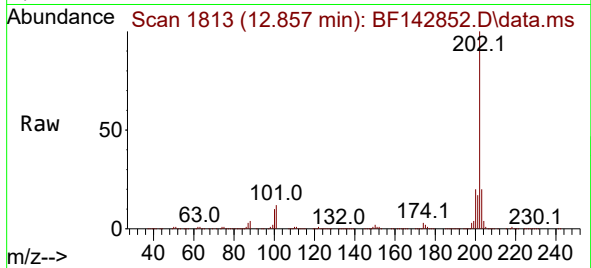




#78
Pyrene
Concen: 62.402 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

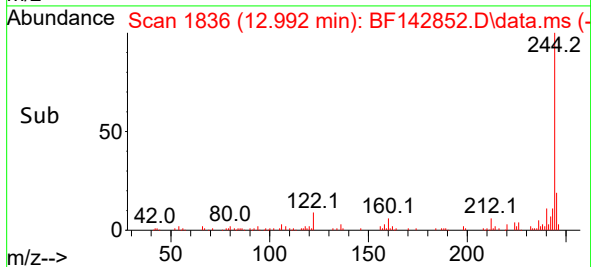
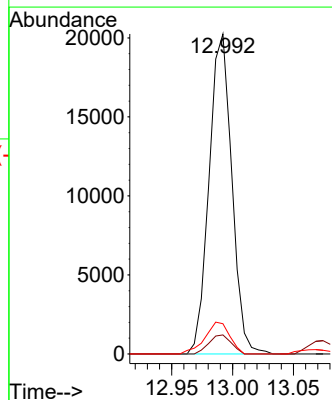
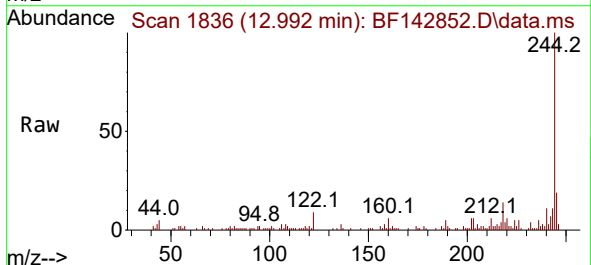
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

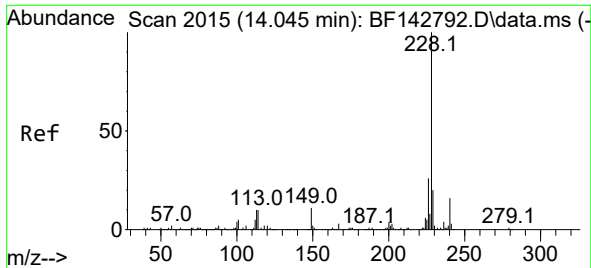
Tgt Ion:202 Resp: 1140339
Ion Ratio Lower Upper
202 100
200 20.2 15.7 23.5
203 19.9 13.8 20.6



#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

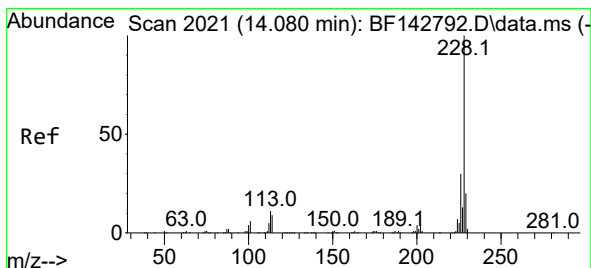
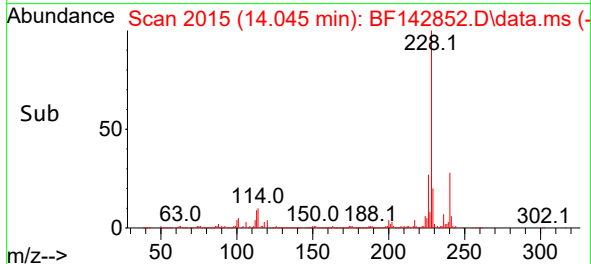
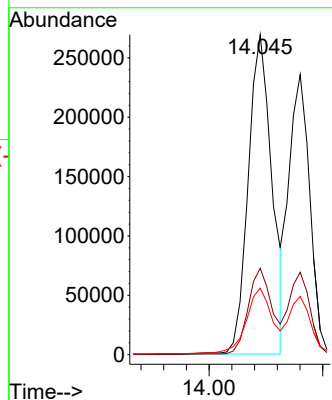
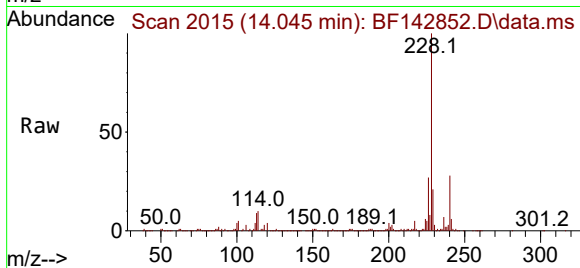




#81
Benzo(a)anthracene
Concen: 29.691 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

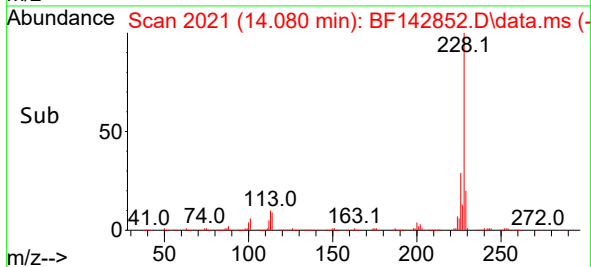
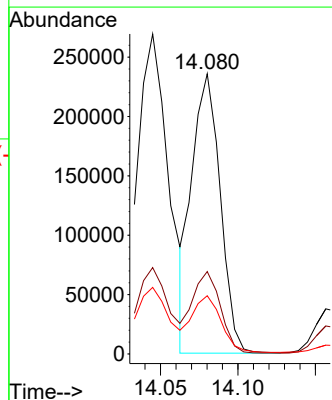
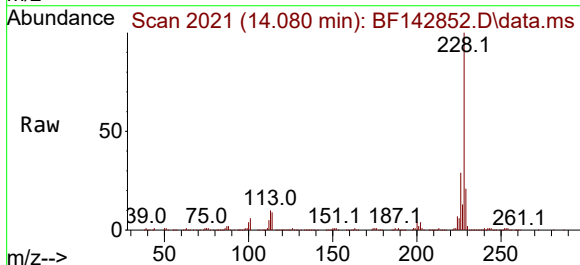
Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

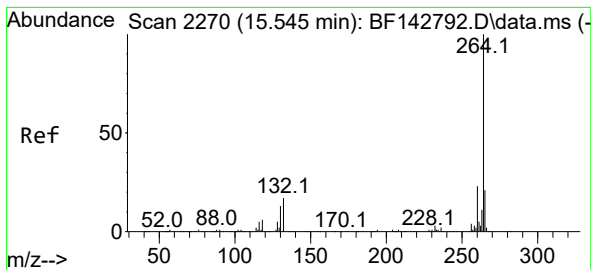
Tgt Ion:228 Resp: 390495
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 20.8 15.6 23.4



#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# 211

Delta R.T. 0.000 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

Instrument :

BNA_F

ClientSampleId :

SU-1-062025DL

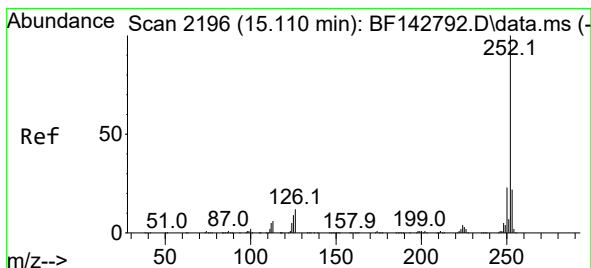
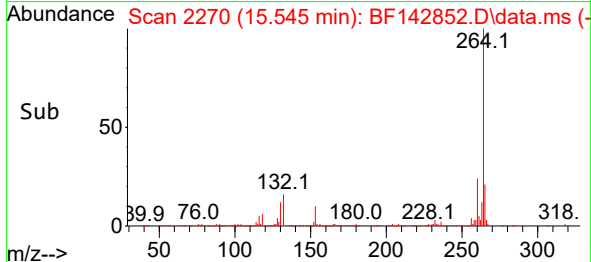
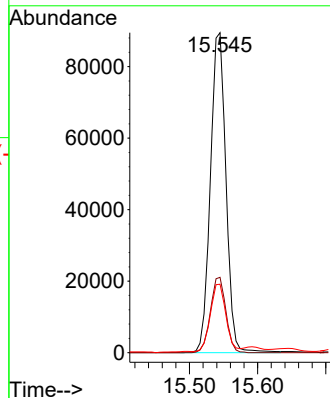
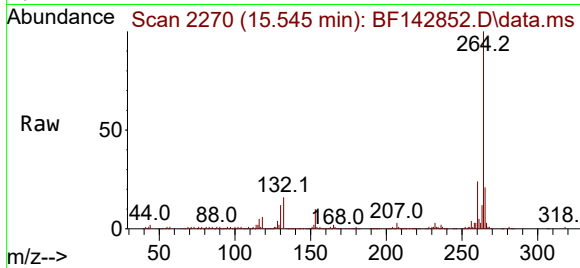
Tgt Ion:264 Resp: 142460

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: 28.032 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142852.D

Acq: 25 Jun 2025 22:41

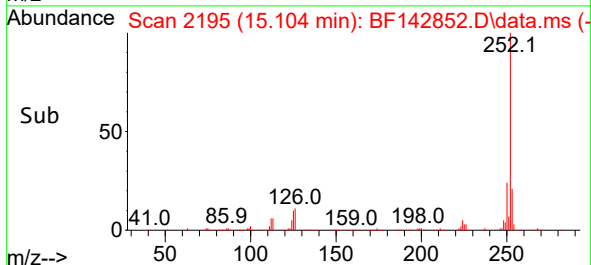
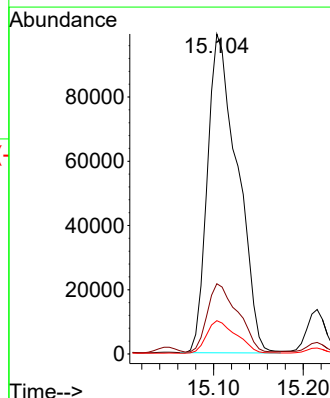
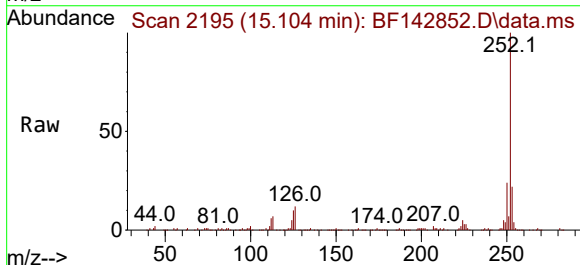
Tgt Ion:252 Resp: 231082

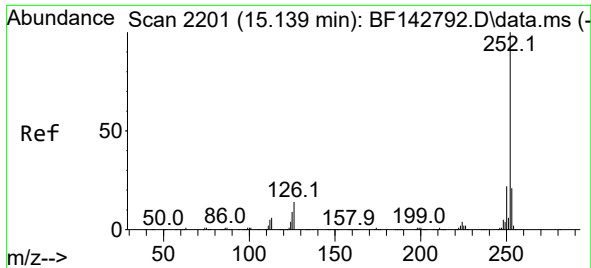
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.4 7.4 11.0

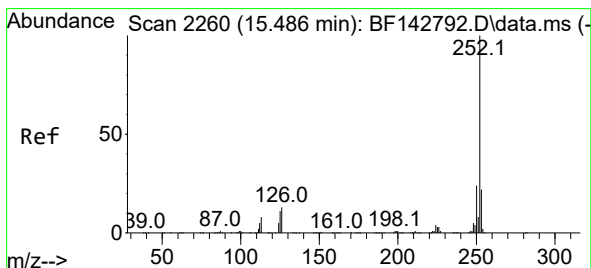
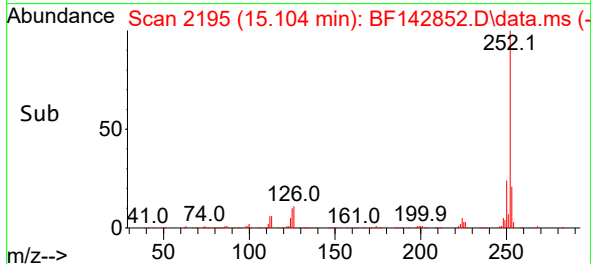
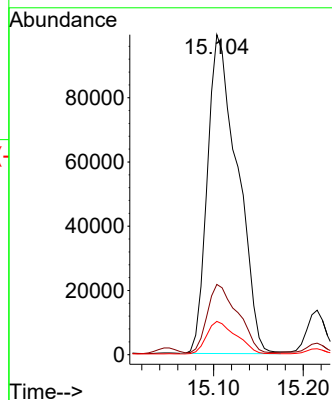
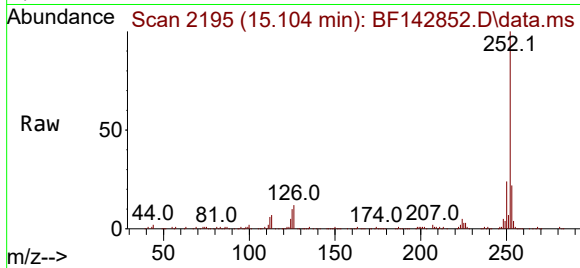




#89
Benzo(k)fluoranthene
Concen: 29.963 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF142852.D
Acq: 25 Jun 2025 22:41

Instrument :
BNA_F
ClientSampleId :
SU-1-062025DL

Tgt Ion:252 Resp: 231082
Ion Ratio Lower Upper
252 100
253 22.0 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

