

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143582.D
 Acq On : 22 Aug 2025 19:50
 Operator : RC/JU
 Sample : Q2924-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2B-082025

Quant Time: Aug 25 02:39:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

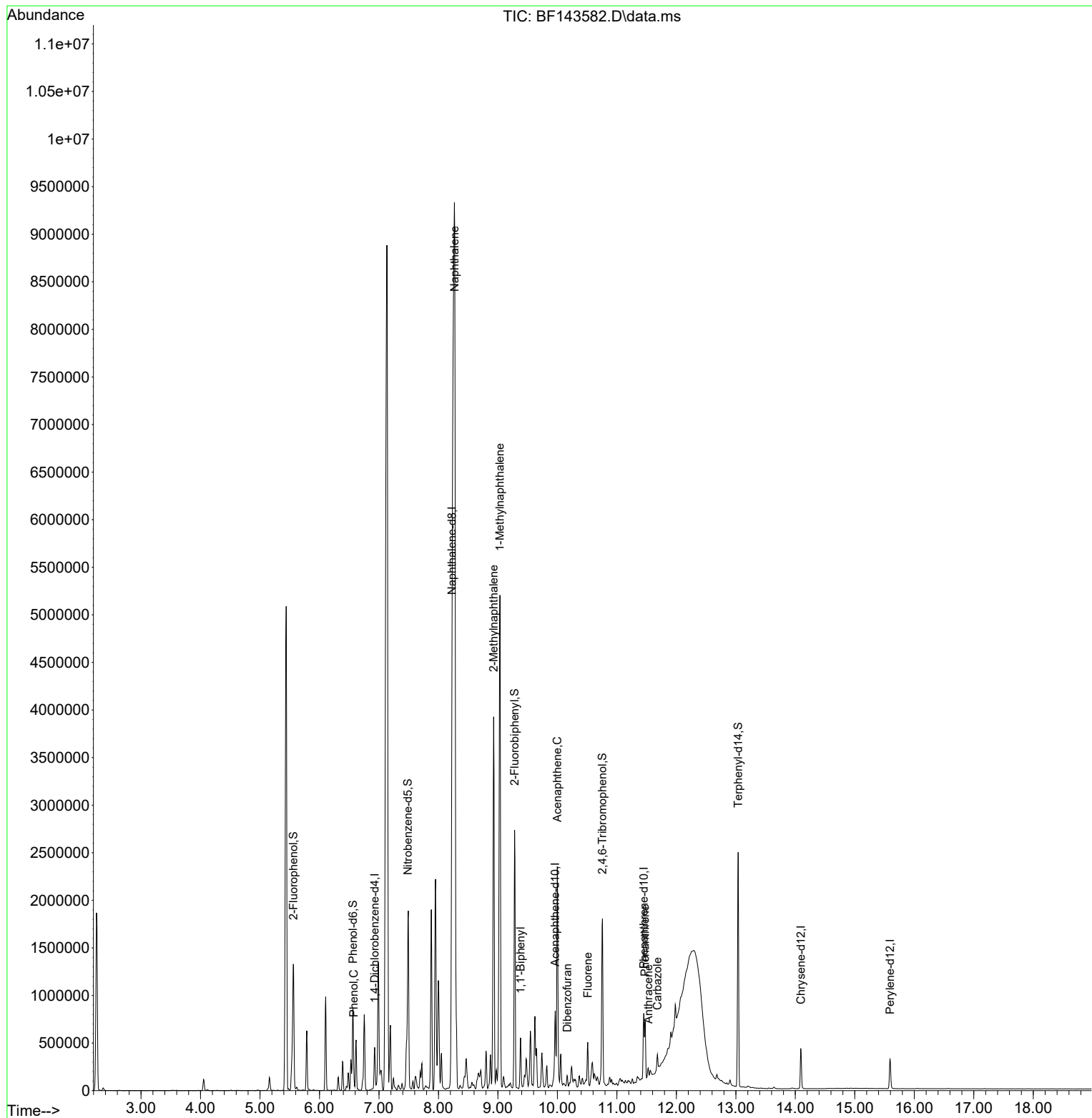
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	97960	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	310044	20.000	ng	0.02
39) Acenaphthene-d10	9.963	164	220938	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	347033	20.000	ng	0.00
76) Chrysene-d12	14.092	240	201002	20.000	ng	-0.01
86) Perylene-d12	15.592	264	183367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	412450	73.520	ng	0.00
7) Phenol-d6	6.563	99	370154	53.450	ng	-0.01
23) Nitrobenzene-d5	7.487	82	625228	117.677	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	289789	140.906	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1169319	87.468	ng	0.00
79) Terphenyl-d14	13.039	244	1167501	101.359	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.575	94	38915	4.878	ng	92
31) Naphthalene	8.269	128	13284387	892.455	ng	94
37) 2-Methylnaphthalene	8.928	142	1558649	156.780	ng	99
38) 1-Methylnaphthalene	9.034	142	2229071	234.401	ng	98
46) 1,1'-Biphenyl	9.381	154	191371	12.203	ng	99
52) Acenaphthene	9.998	154	703227	58.789	ng	98
55) Dibenzofuran	10.169	168	42620	2.499	ng	# 93
58) Fluorene	10.510	166	164405	12.525	ng	99
71) Phenanthrene	11.475	178	307631	16.553	ng	100
72) Anthracene	11.528	178	47571	2.527	ng	98
73) Carbazole	11.680	167	86024	5.576	ng	99

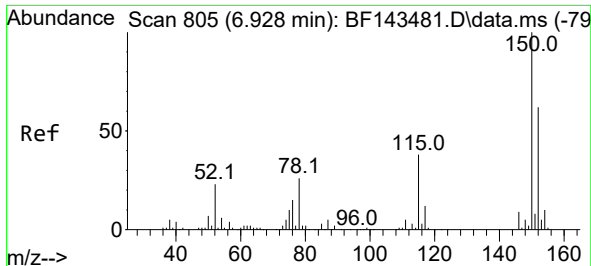
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
Data File : BF143582.D
Acq On : 22 Aug 2025 19:50
Operator : RC/JU
Sample : Q2924-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

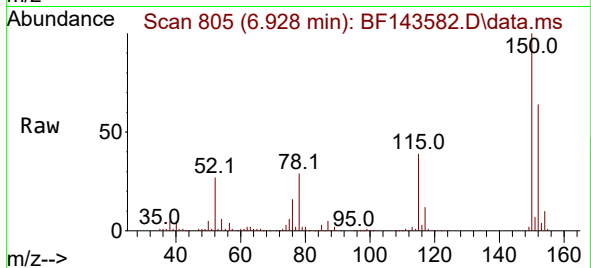
Quant Time: Aug 25 02:39:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



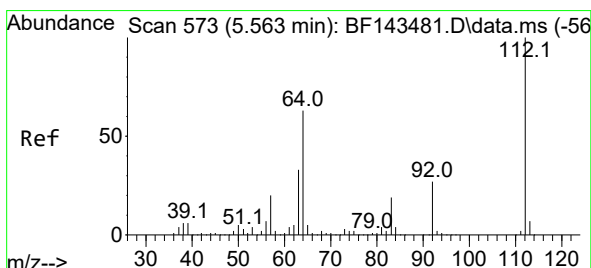
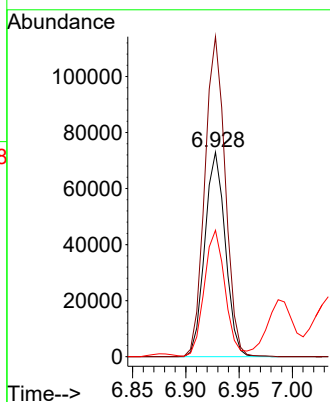
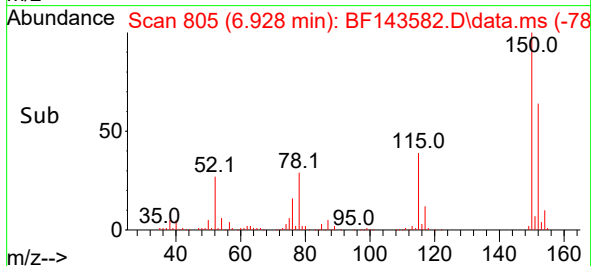


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

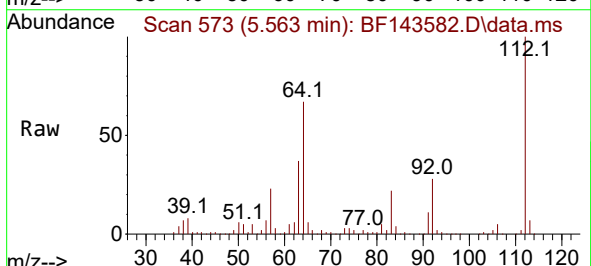
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025



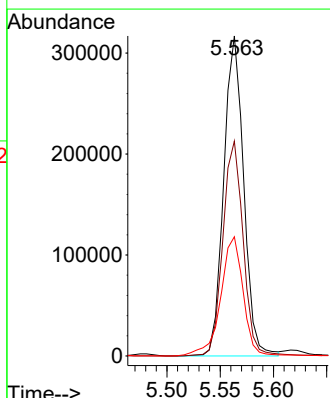
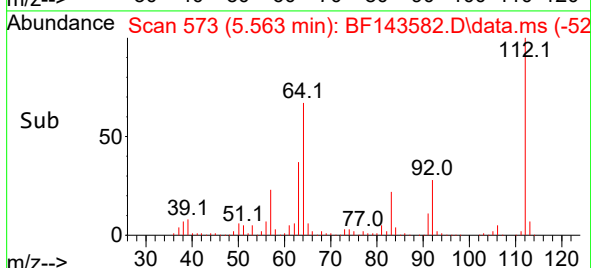
Tgt Ion:152 Resp: 97960
Ion Ratio Lower Upper
152 100
150 156.4 128.9 193.3
115 61.8 49.2 73.8

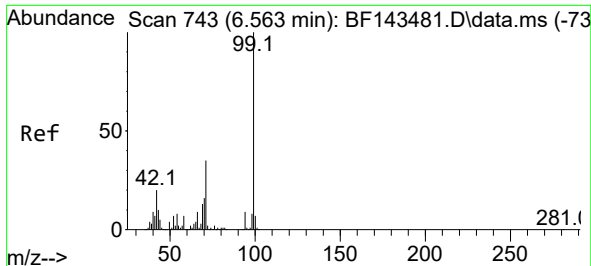


#5
2-Fluorophenol
Concen: 73.520 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50



Tgt Ion:112 Resp: 412450
Ion Ratio Lower Upper
112 100
64 67.2 50.4 75.6
63 37.3 26.4 39.6

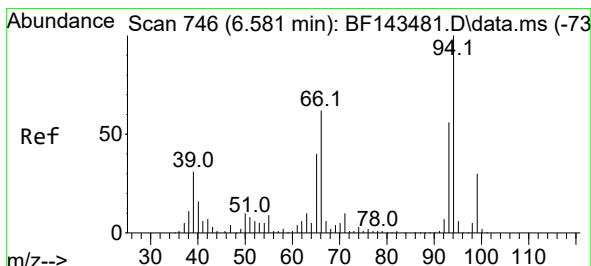
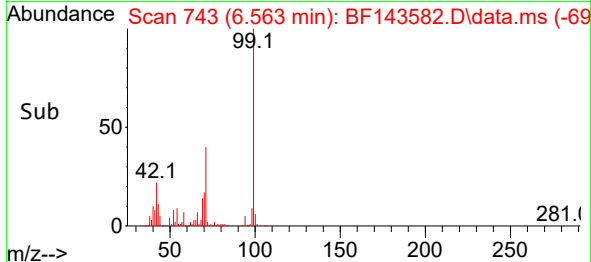
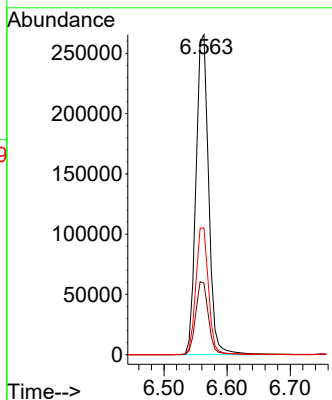
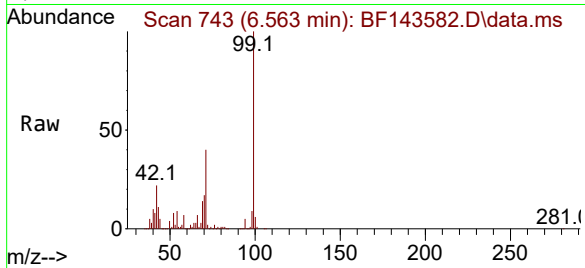




#7
Phenol-d6
Concen: 53.450 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

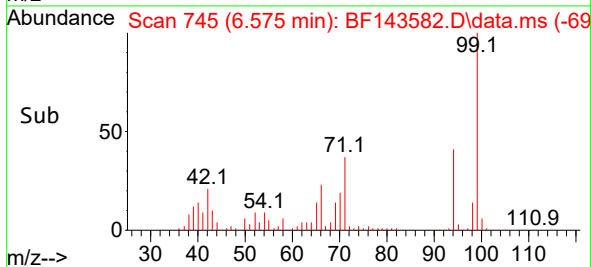
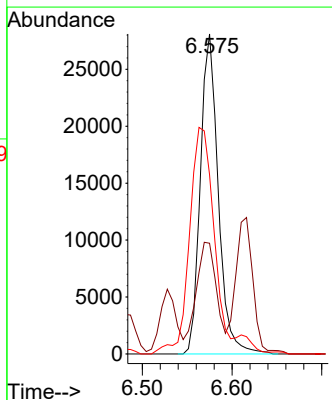
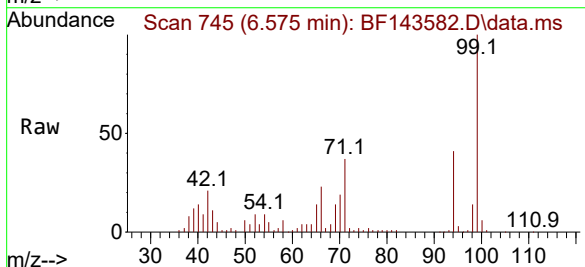
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

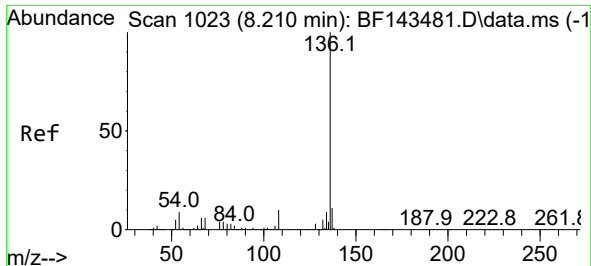
Tgt Ion: 99 Resp: 370154
Ion Ratio Lower Upper
99 100
42 22.4 16.3 24.5
71 39.6 28.2 42.2



#10
Phenol
Concen: 4.878 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion: 94 Resp: 38915
Ion Ratio Lower Upper
94 100
65 34.6 19.5 59.5
66 56.0 42.5 82.5

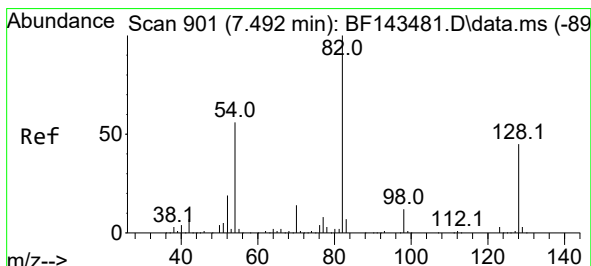
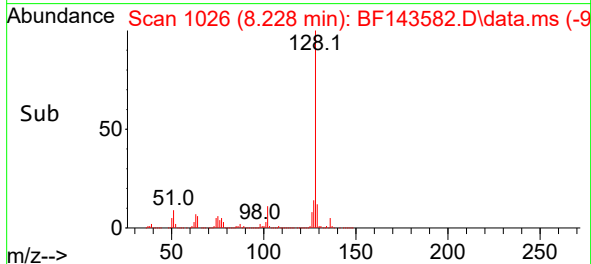
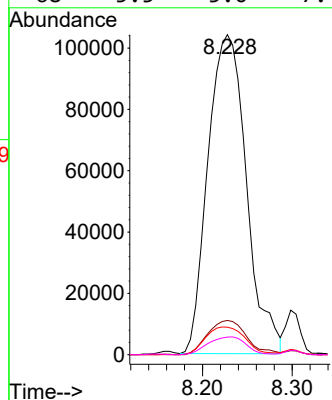
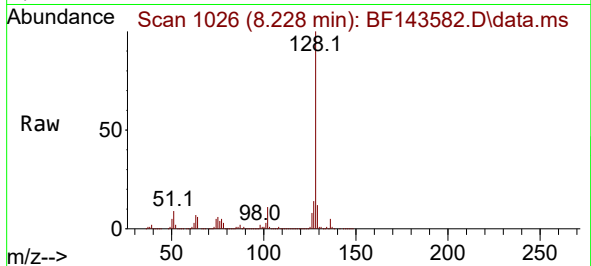




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1026
Delta R.T. 0.018 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

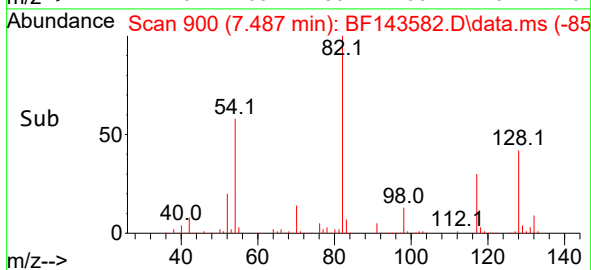
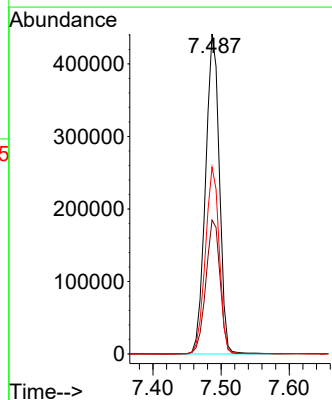
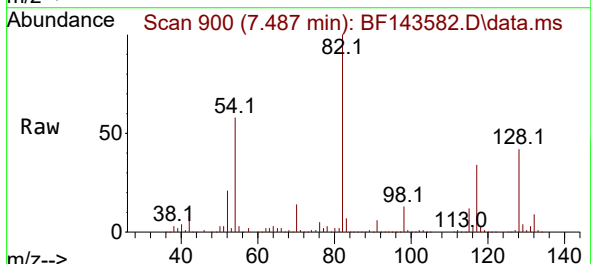
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

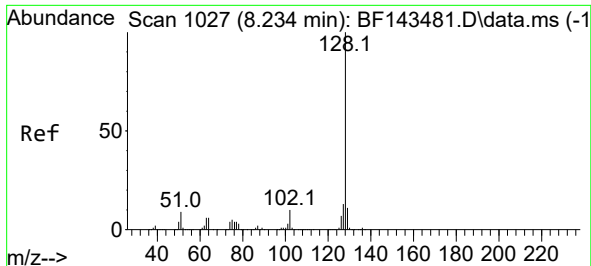
Tgt Ion:	136	Resp:	310044
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	8.6	7.4	11.2
68	5.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 117.677 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:	82	Resp:	625228
Ion Ratio	Lower	Upper	
82	100		
128	41.8	35.5	53.3
54	58.4	44.3	66.5

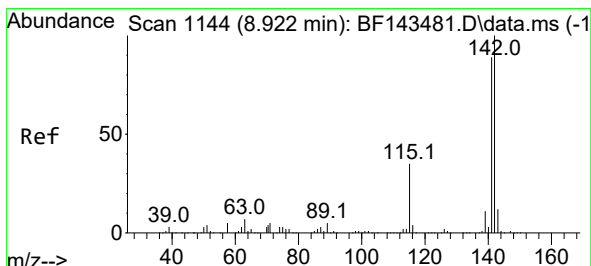
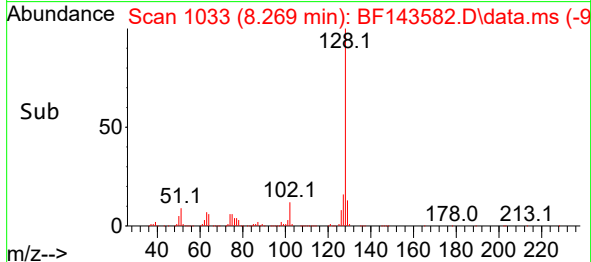
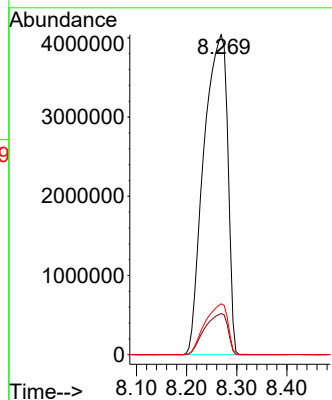
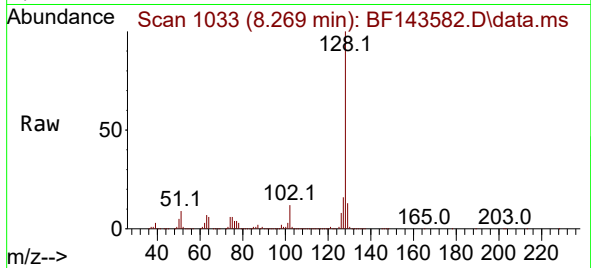




#31
Naphthalene
Concen: 892.455 ng
RT: 8.269 min Scan# 1027
Delta R.T. 0.035 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

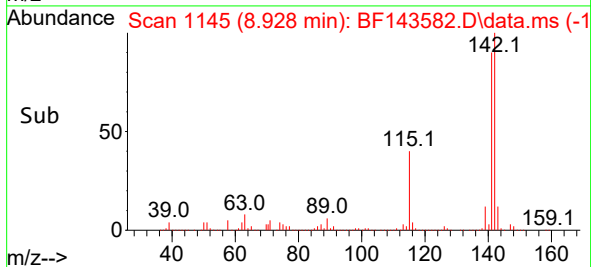
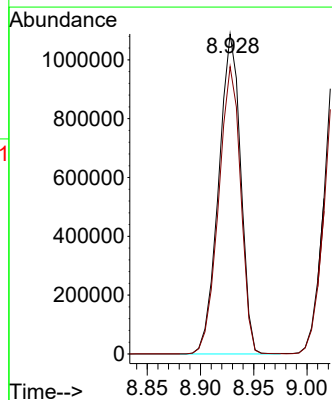
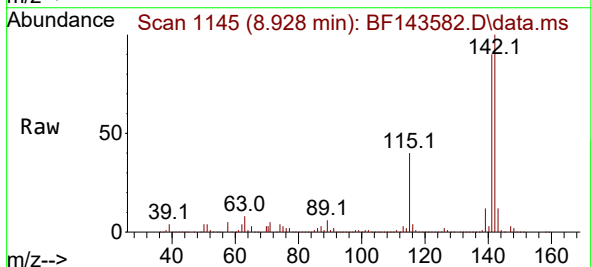
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

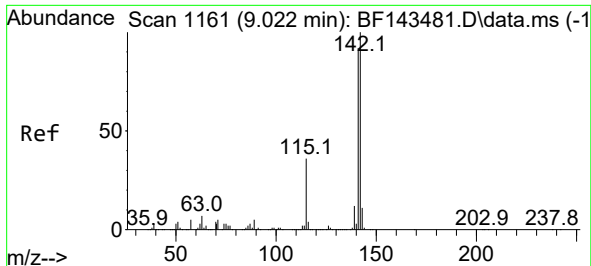
Tgt Ion:128 Resp:13284387
Ion Ratio Lower Upper
128 100
129 12.8 8.8 13.2
127 15.9 10.6 16.0



#37
2-Methylnaphthalene
Concen: 156.780 ng
RT: 8.928 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:142 Resp: 1558649
Ion Ratio Lower Upper
142 100
141 89.8 71.0 106.4





#38

1-Methylnaphthalene

Concen: 234.401 ng

RT: 9.034 min Scan# 1163

Delta R.T. 0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

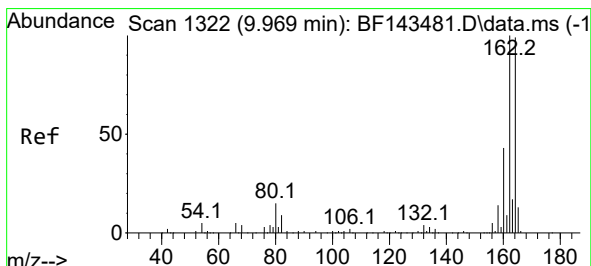
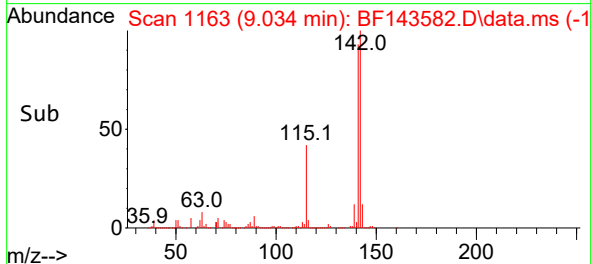
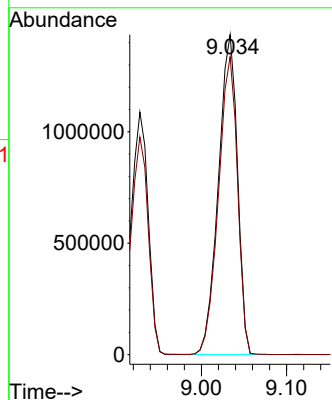
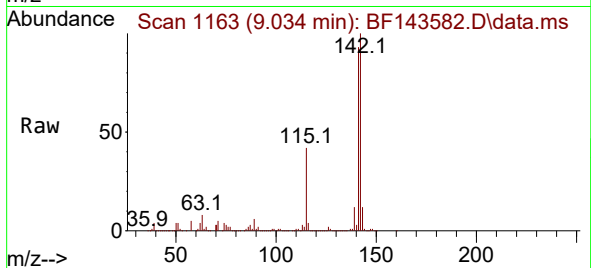
MW-2B-082025

Tgt Ion:142 Resp: 2229071

Ion Ratio Lower Upper

142 100

141 93.1 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

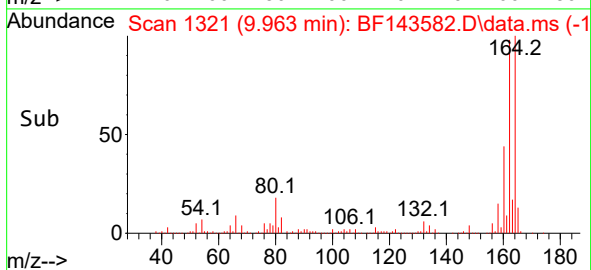
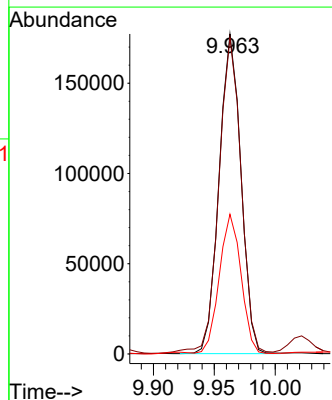
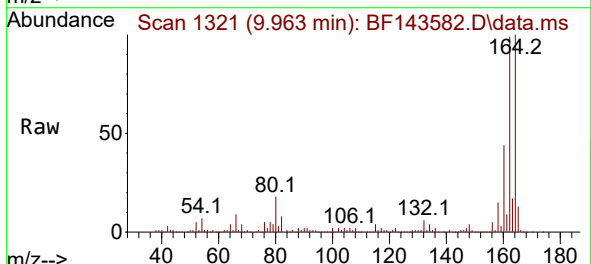
Tgt Ion:164 Resp: 220938

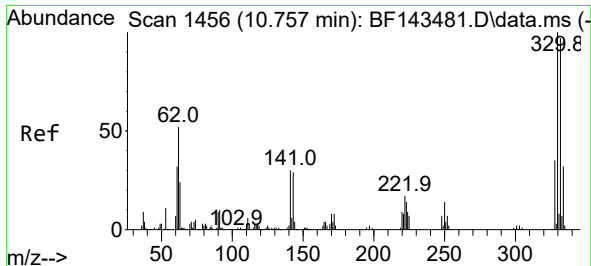
Ion Ratio Lower Upper

164 100

162 98.8 80.5 120.7

160 43.7 34.3 51.5

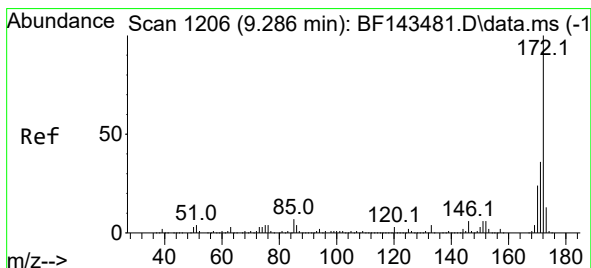
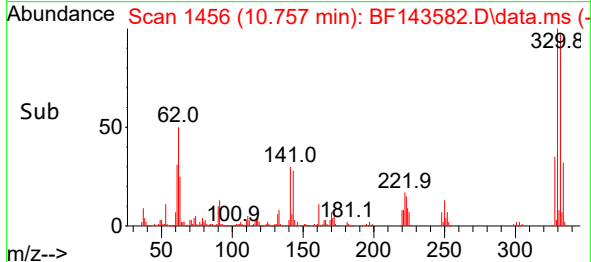
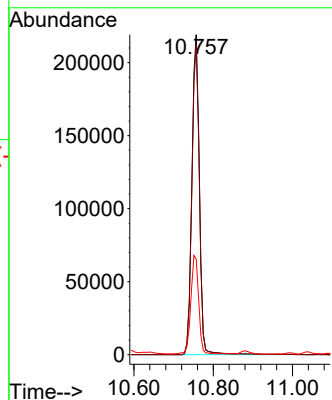
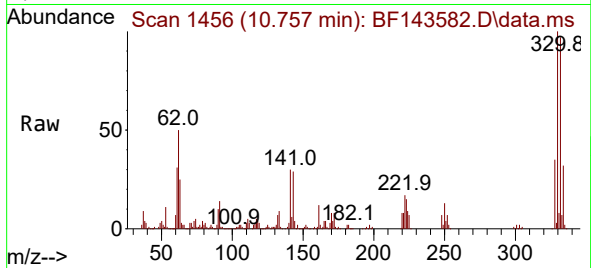




#42
2,4,6-Tribromophenol
Concen: 140.906 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

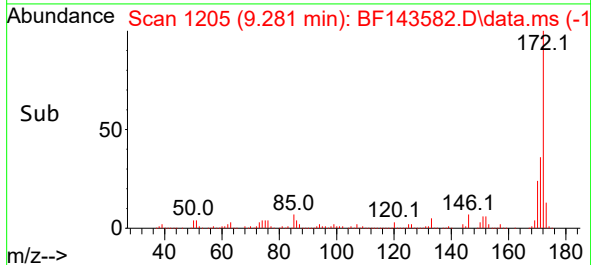
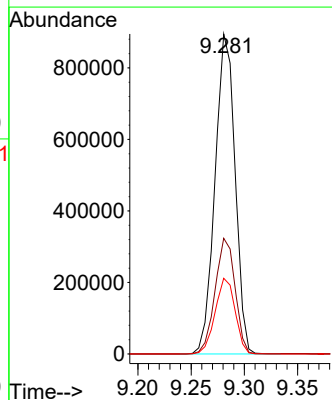
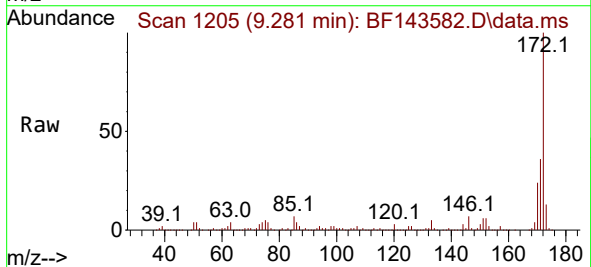
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

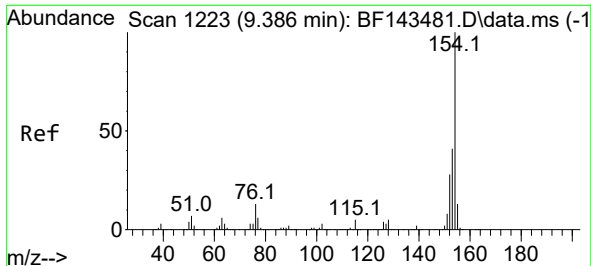
Tgt Ion: 330 Resp: 289789
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 32.3 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 87.468 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion: 172 Resp: 1169319
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.7 18.8 28.2

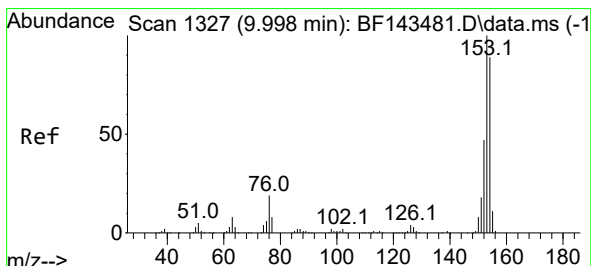
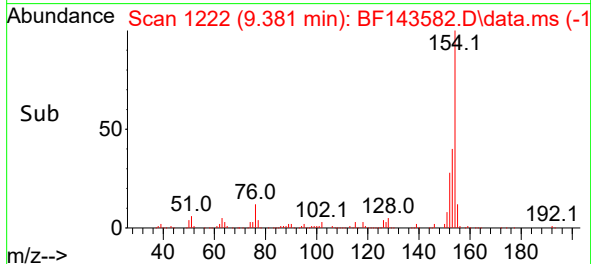
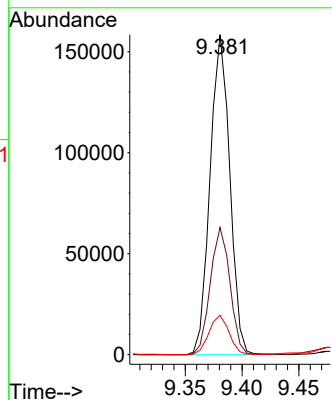
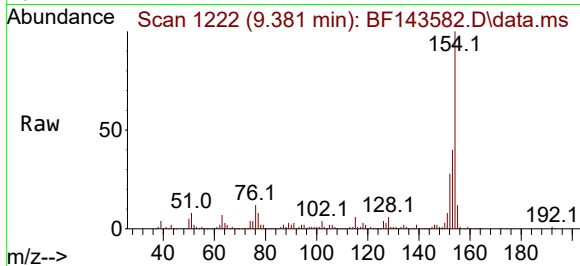




#46
 1,1'-Biphenyl
 Concen: 12.203 ng
 RT: 9.381 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143582.D
 Acq: 22 Aug 2025 19:50

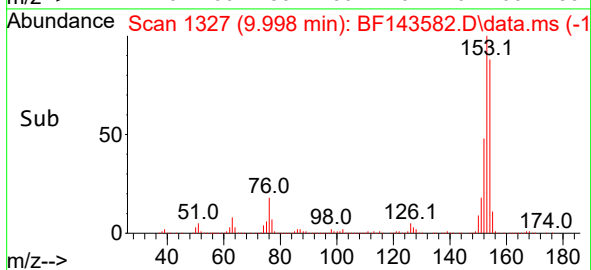
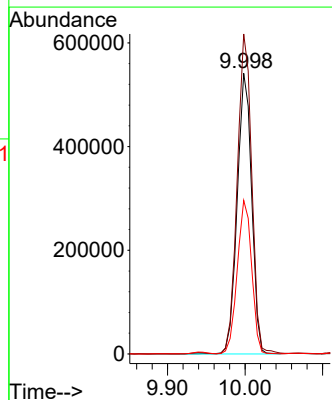
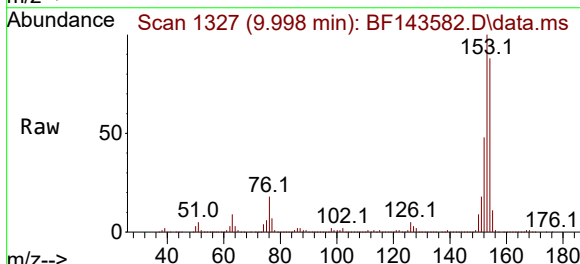
Instrument :
 BNA_F
 ClientSampleId :
 MW-2B-082025

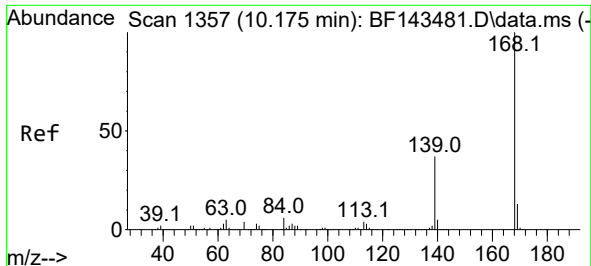
Tgt Ion:154 Resp: 191371
 Ion Ratio Lower Upper
 154 100
 153 39.7 20.6 60.6
 76 12.3 0.0 33.0



#52
 Acenaphthene
 Concen: 58.789 ng
 RT: 9.998 min Scan# 1327
 Delta R.T. -0.006 min
 Lab File: BF143582.D
 Acq: 22 Aug 2025 19:50

Tgt Ion:154 Resp: 703227
 Ion Ratio Lower Upper
 154 100
 153 114.0 89.5 134.3
 152 54.7 42.5 63.7

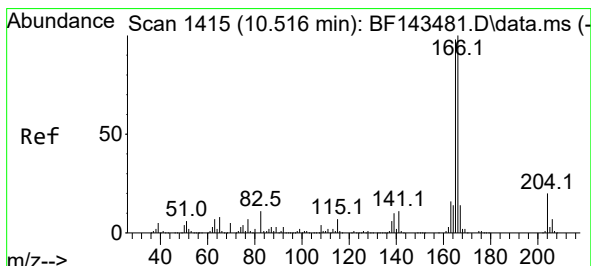
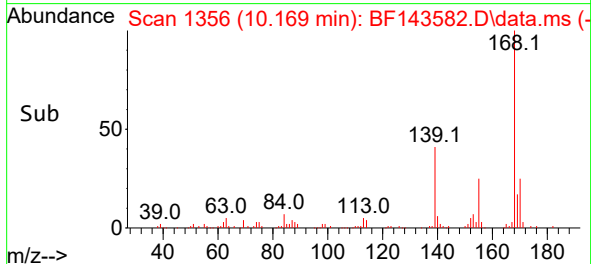
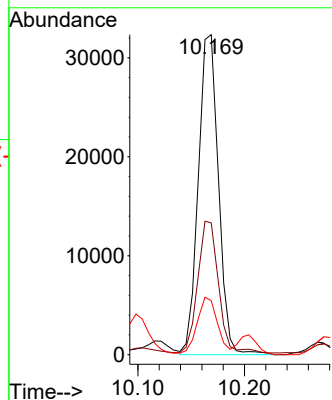
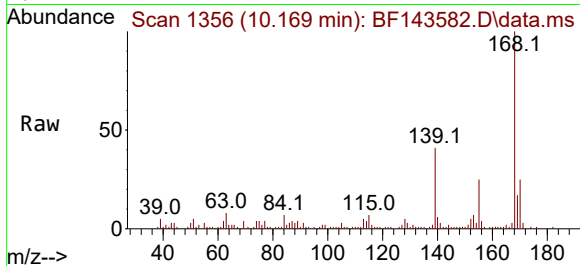




#55
Dibenzofuran
Concen: 2.499 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

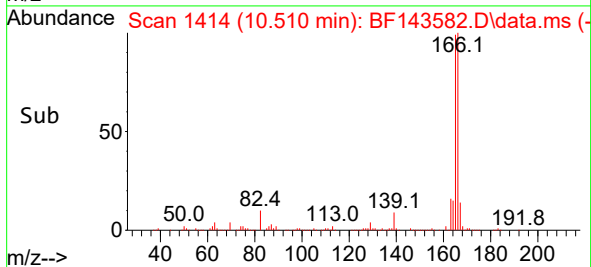
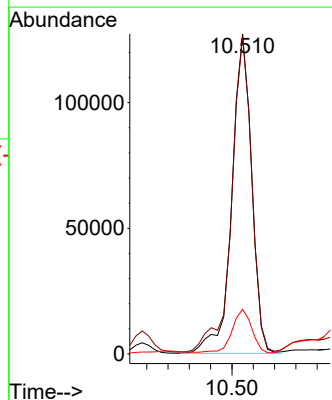
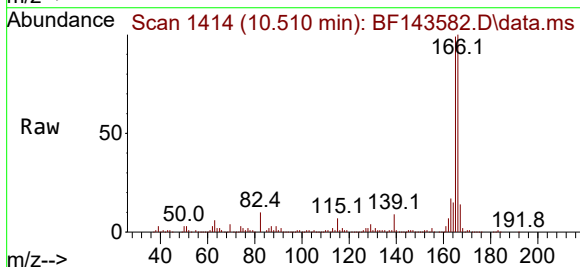
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

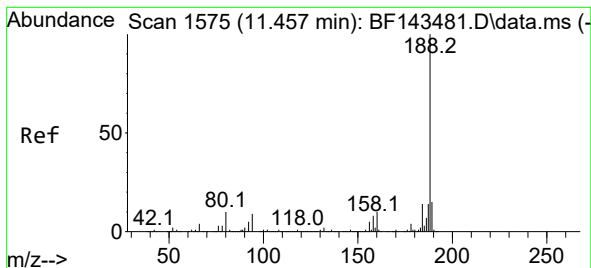
Tgt Ion:168 Resp: 42620
Ion Ratio Lower Upper
168 100
139 41.2 29.8 44.6
169 16.9 10.8 16.2#



#58
Fluorene
Concen: 12.525 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:166 Resp: 164405
Ion Ratio Lower Upper
166 100
165 99.2 78.3 117.5
167 14.0 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

MW-2B-082025

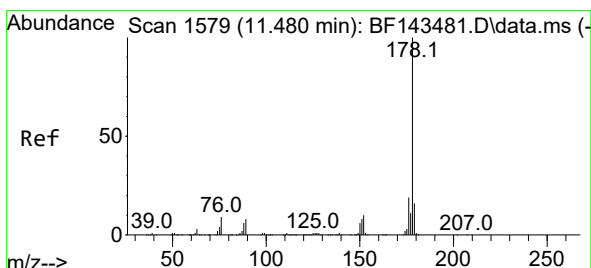
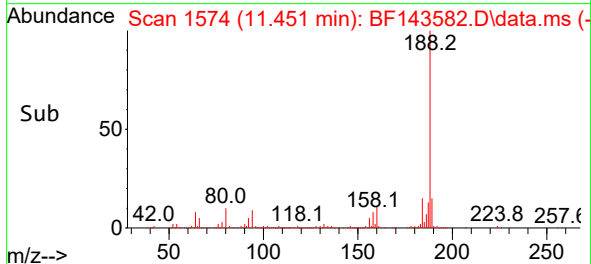
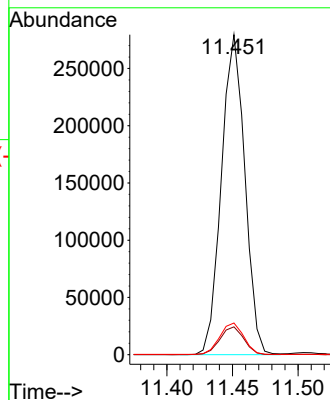
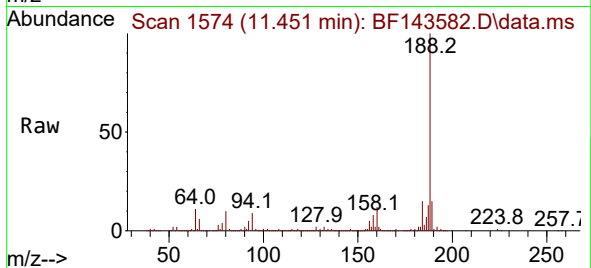
Tgt Ion:188 Resp: 347033

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.9 8.2 12.4



#71

Phenanthrene

Concen: 16.553 ng

RT: 11.475 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

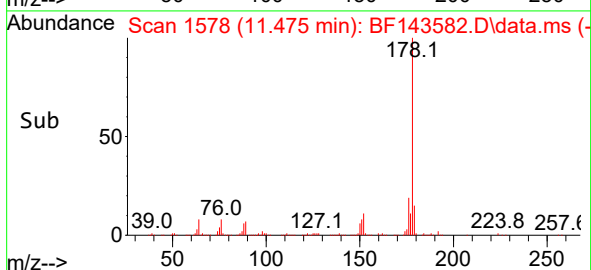
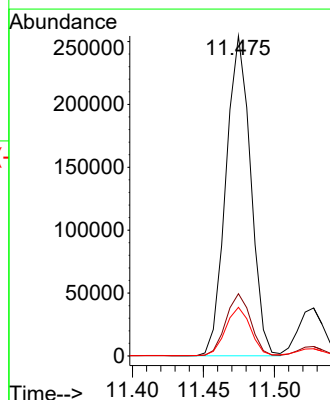
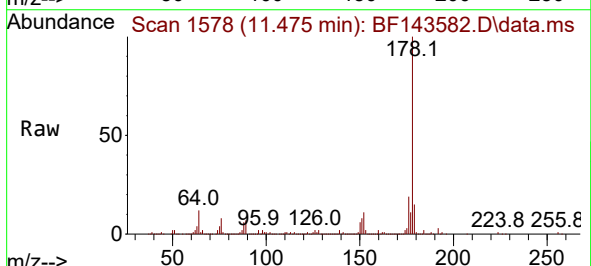
Tgt Ion:178 Resp: 307631

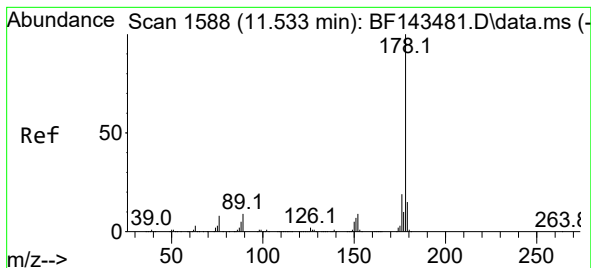
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.2 12.5 18.7





#72

Anthracene

Concen: 2.527 ng

RT: 11.528 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

MW-2B-082025

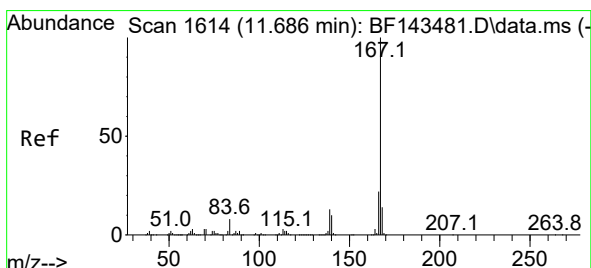
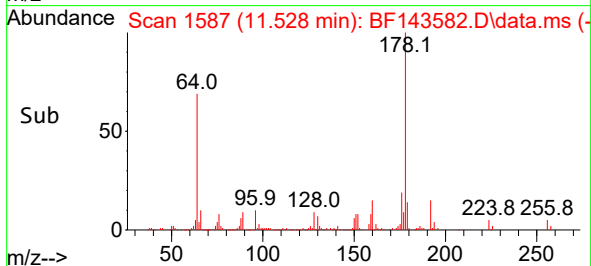
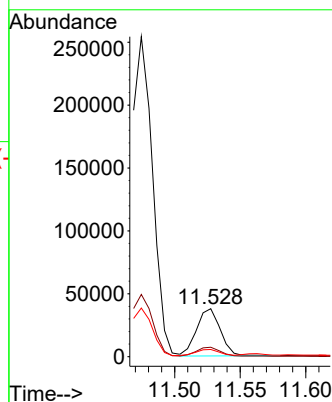
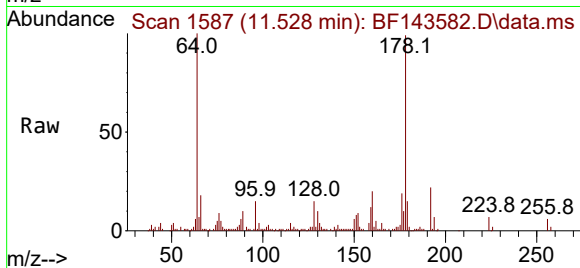
Tgt Ion:178 Resp: 47571

Ion Ratio Lower Upper

178 100

176 19.6 15.0 22.4

179 15.0 12.3 18.5



#73

Carbazole

Concen: 5.576 ng

RT: 11.680 min Scan# 1613

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

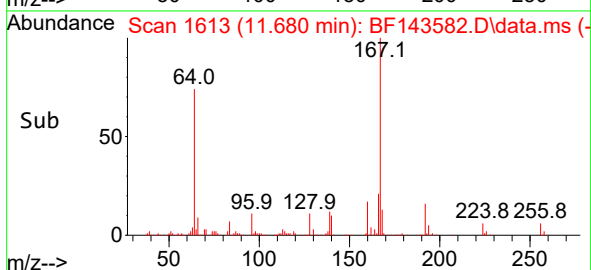
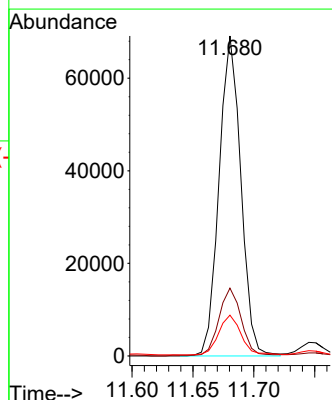
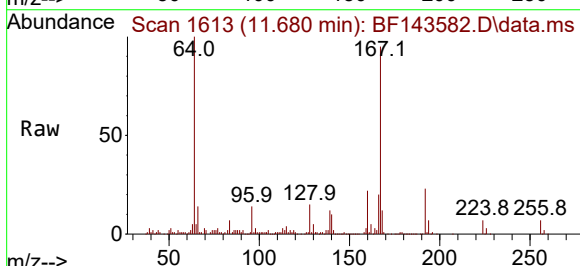
Tgt Ion:167 Resp: 86024

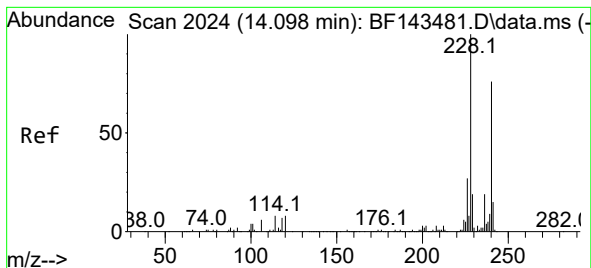
Ion Ratio Lower Upper

167 100

166 21.2 17.3 25.9

139 12.7 10.0 15.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

MW-2B-082025

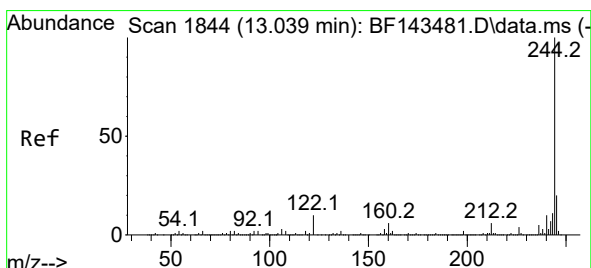
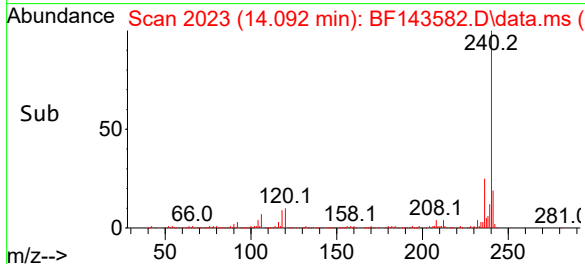
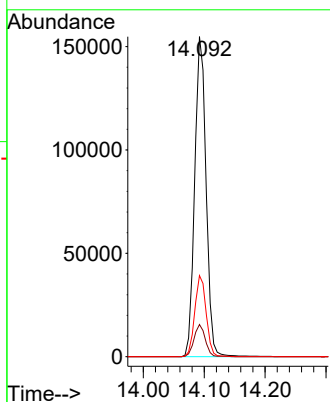
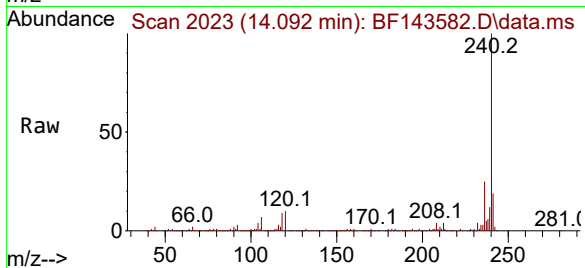
Tgt Ion:240 Resp: 201002

Ion Ratio Lower Upper

240 100

120 10.0 8.6 12.8

236 25.4 20.4 30.6



#79

Terphenyl-d14

Concen: 101.359 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.000 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

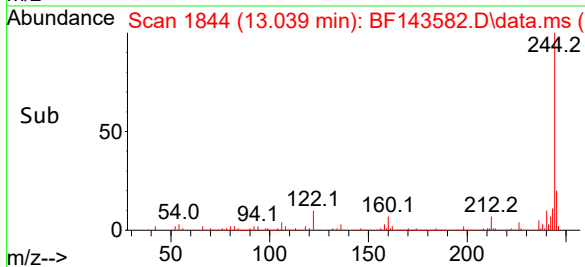
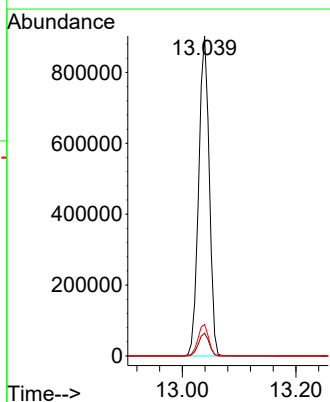
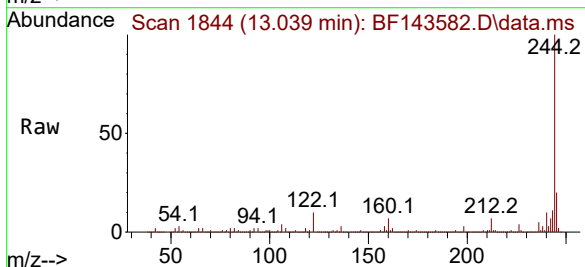
Tgt Ion:244 Resp: 1167501

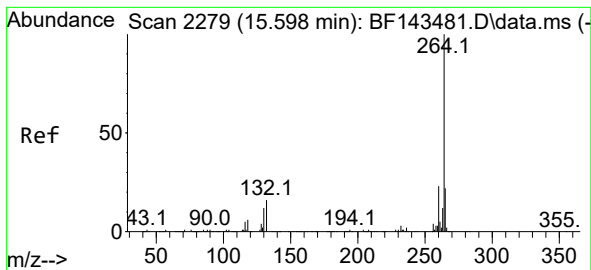
Ion Ratio Lower Upper

244 100

212 7.2 5.2 7.8

122 9.8 7.9 11.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

Tgt Ion:264 Resp: 183367
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 21.7 17.6 26.4

