

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143550.D
 Acq On : 22 Aug 2025 01:51
 Operator : RC/JU
 Sample : Q2903-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12B-081925

Quant Time: Aug 22 03:02:28 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)

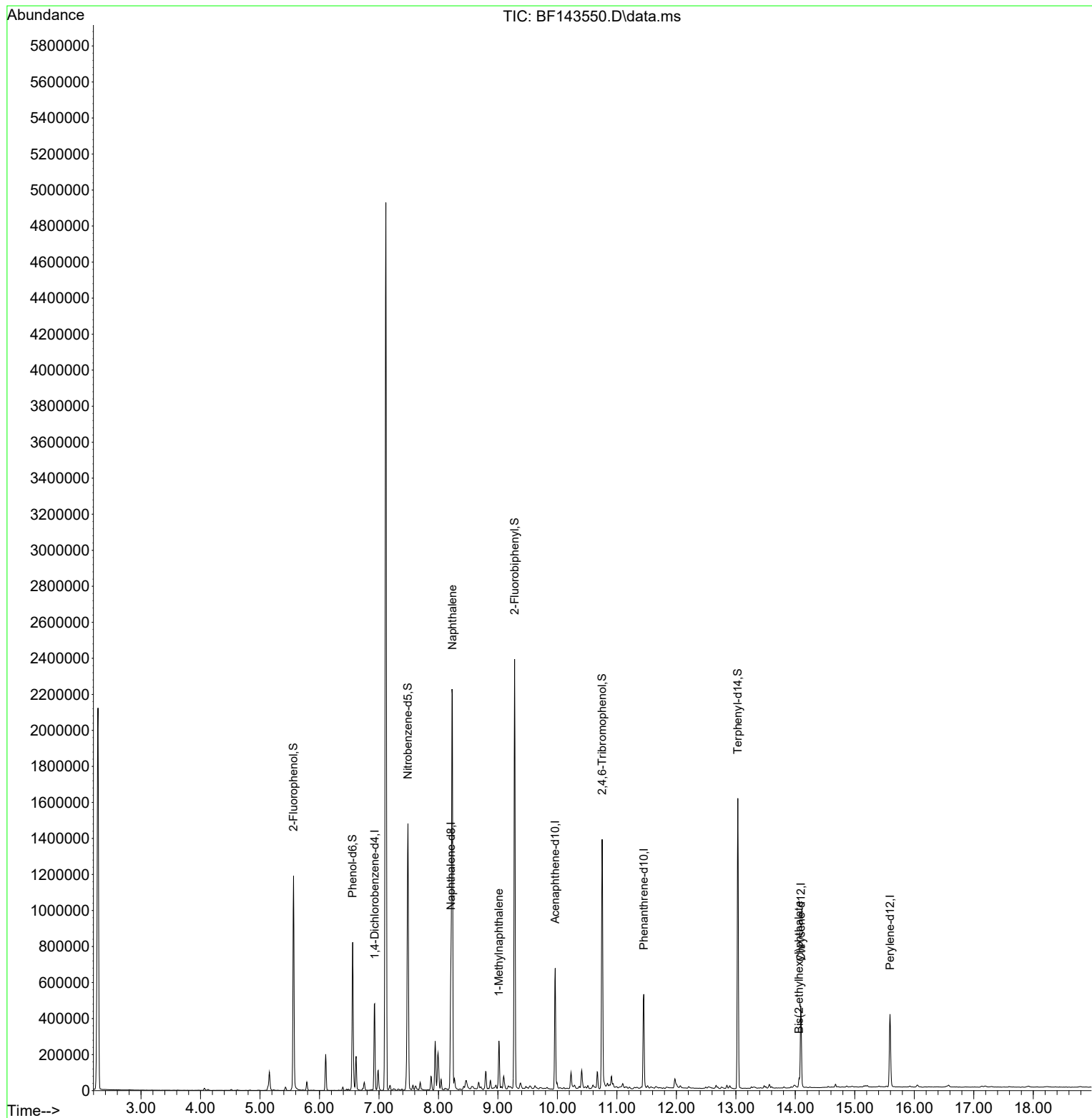
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	105222	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	388998	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	200422	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	262435	20.000	ng	0.00
76) Chrysene-d12	14.092	240	220329	20.000	ng	-0.01
86) Perylene-d12	15.592	264	240511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	427287	70.908	ng	0.00
7) Phenol-d6	6.557	99	361546	48.604	ng	-0.02
23) Nitrobenzene-d5	7.487	82	614876	92.239	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	228959	122.724	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	1031471	85.055	ng	0.00
79) Terphenyl-d14	13.033	244	782435	61.970	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.234	128	1425017	76.303	ng	99
38) 1-Methylnaphthalene	9.016	142	95011	7.963	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	19233	2.551	ng	100

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

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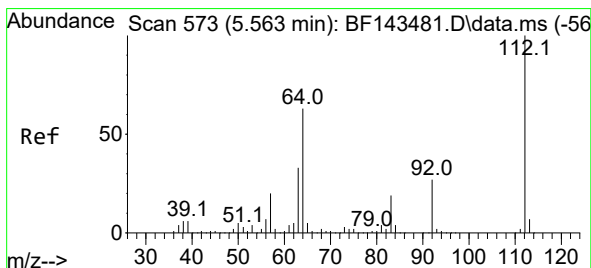
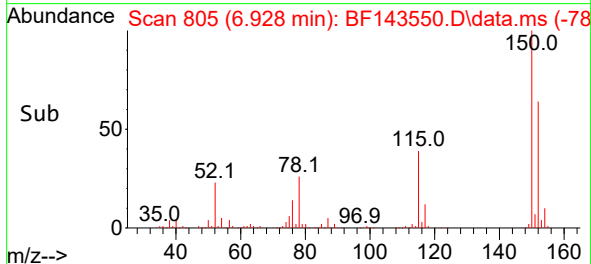
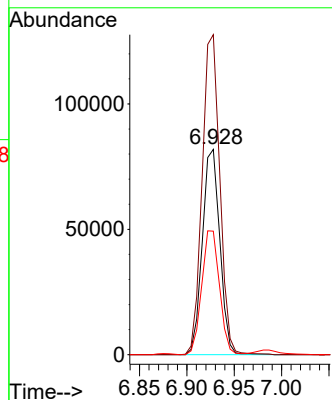
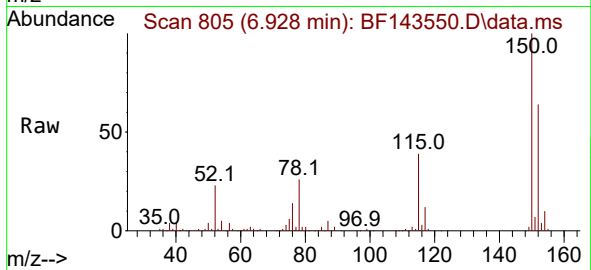




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143550.D
Acq: 22 Aug 2025 01:51

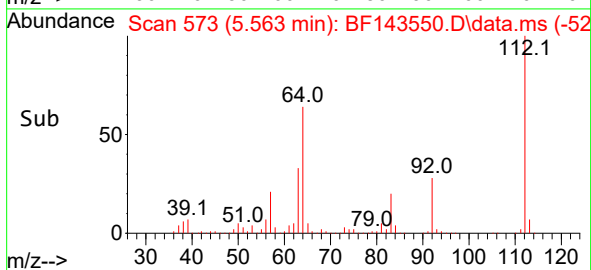
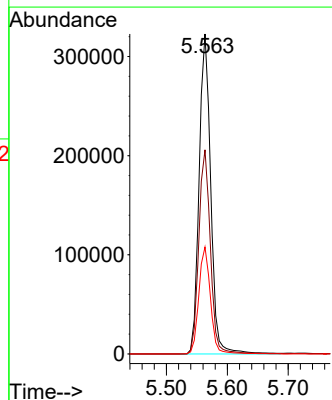
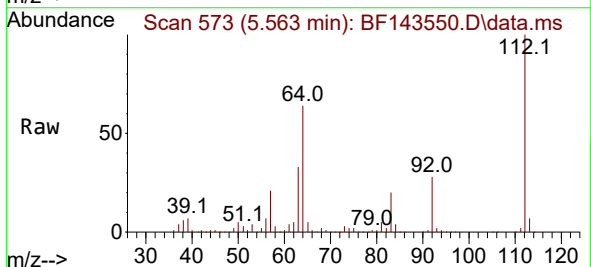
Instrument :
BNA_F
ClientSampleId :
MW-12B-081925

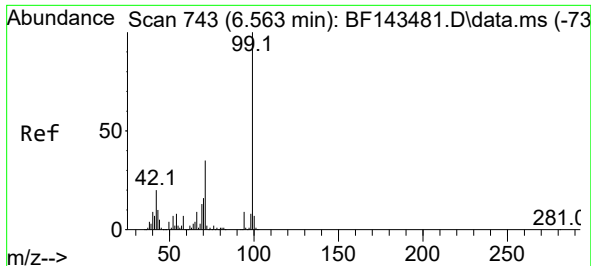
Tgt Ion:152 Resp: 105222
Ion Ratio Lower Upper
152 100
150 155.8 128.9 193.3
115 60.2 49.2 73.8



#5
2-Fluorophenol
Concen: 70.908 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143550.D
Acq: 22 Aug 2025 01:51

Tgt Ion:112 Resp: 427287
Ion Ratio Lower Upper
112 100
64 63.8 50.4 75.6
63 33.4 26.4 39.6

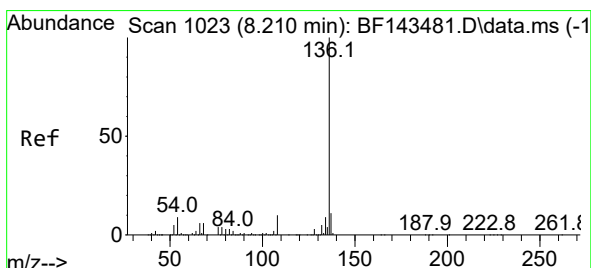
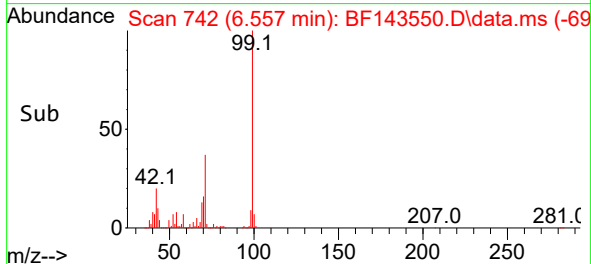
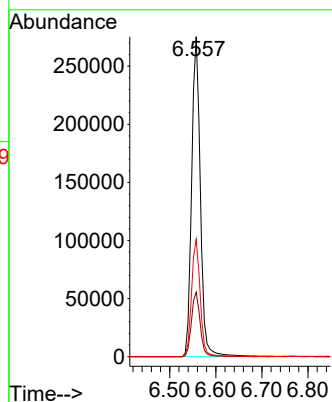
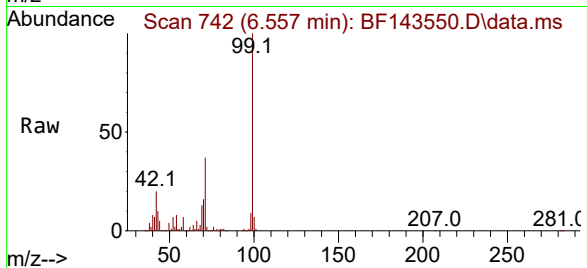




#7
Phenol-d6
Concen: 48.604 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143550.D
Acq: 22 Aug 2025 01:51

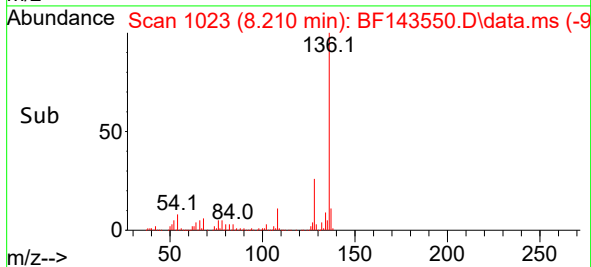
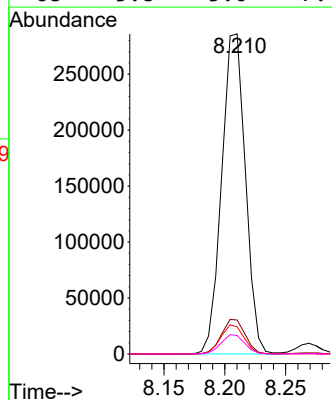
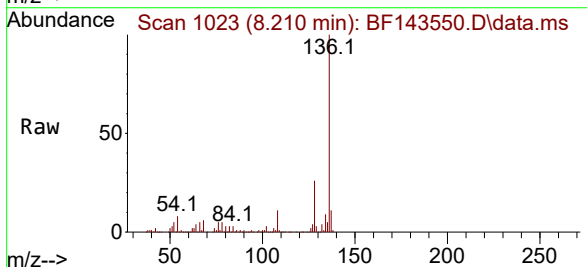
Instrument :
BNA_F
ClientSampleId :
MW-12B-081925

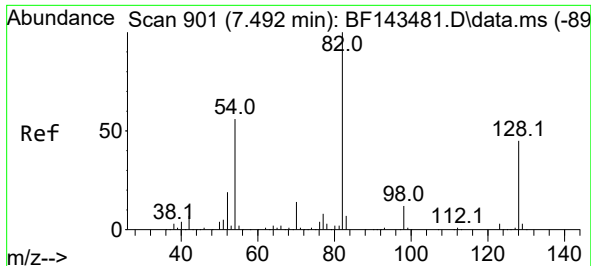
Tgt Ion: 99 Resp: 361546
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 36.7 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143550.D
Acq: 22 Aug 2025 01:51

Tgt Ion: 136 Resp: 388998
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.5 7.4 11.2
68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 92.239 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143550.D

Acq: 22 Aug 2025 01:51

Instrument :

BNA_F

ClientSampleId :

MW-12B-081925

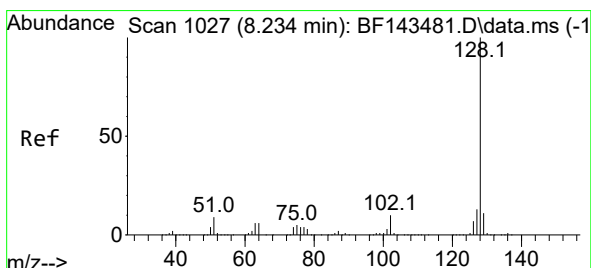
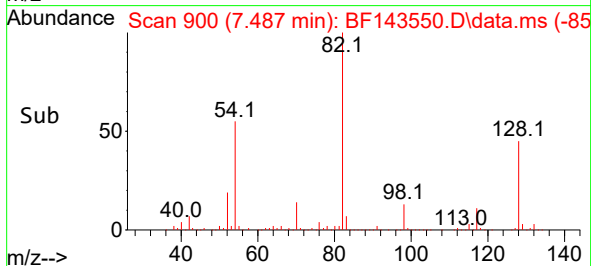
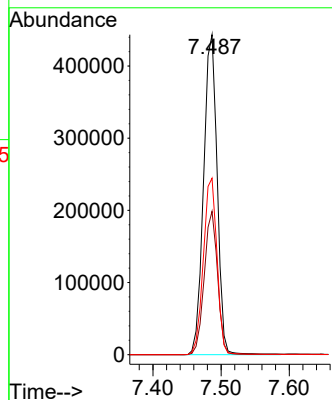
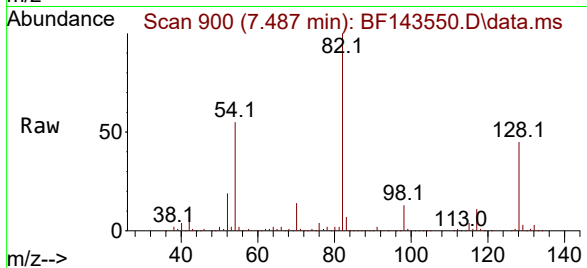
Tgt Ion: 82 Resp: 614876

Ion Ratio Lower Upper

82 100

128 44.8 35.5 53.3

54 55.2 44.3 66.5



#31

Naphthalene

Concen: 76.303 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143550.D

Acq: 22 Aug 2025 01:51

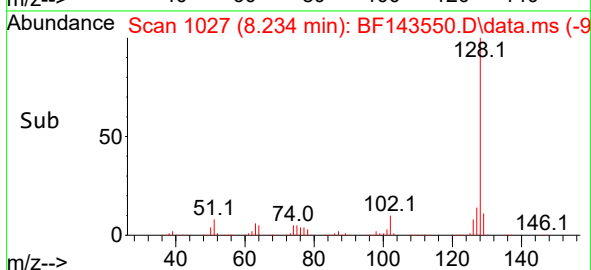
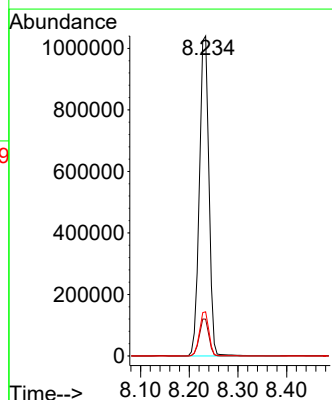
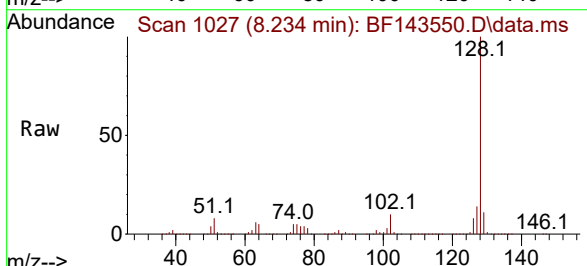
Tgt Ion:128 Resp: 1425017

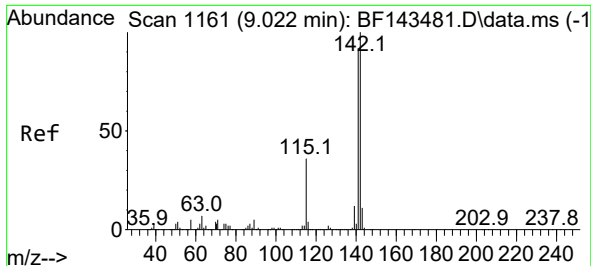
Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

127 13.8 10.6 16.0





#38

1-Methylnaphthalene

Concen: 7.963 ng

RT: 9.016 min Scan# 1160

Delta R.T. -0.012 min

Lab File: BF143550.D

Acq: 22 Aug 2025 01:51

Instrument :

BNA_F

ClientSampleId :

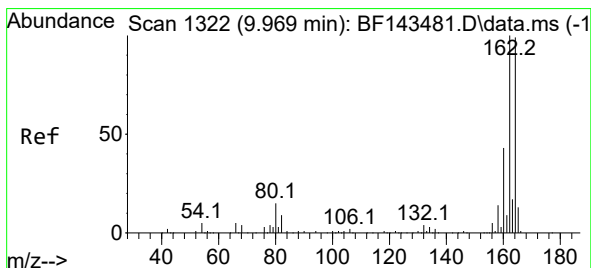
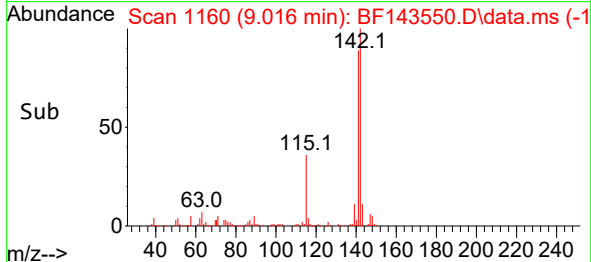
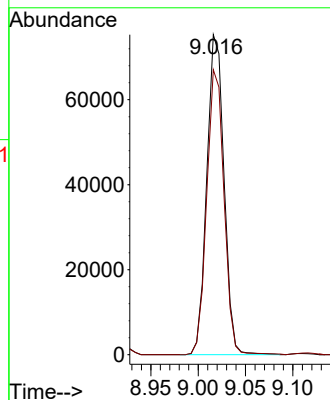
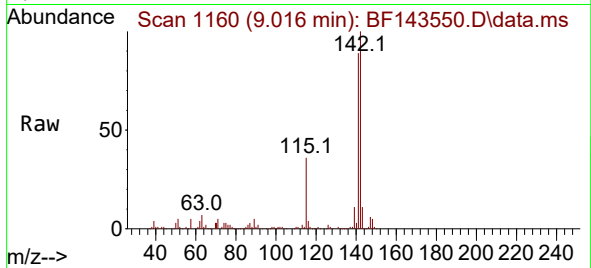
MW-12B-081925

Tgt Ion:142 Resp: 95011

Ion Ratio Lower Upper

142 100

141 89.0 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: BF143550.D

Acq: 22 Aug 2025 01:51

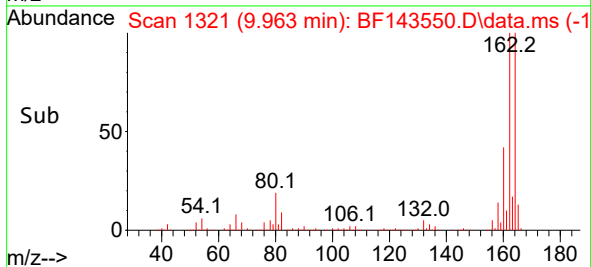
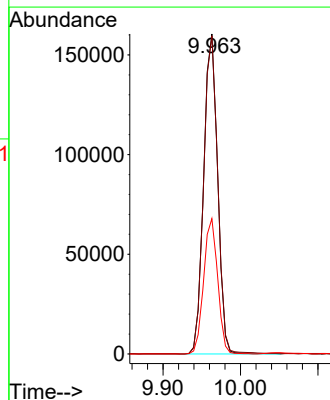
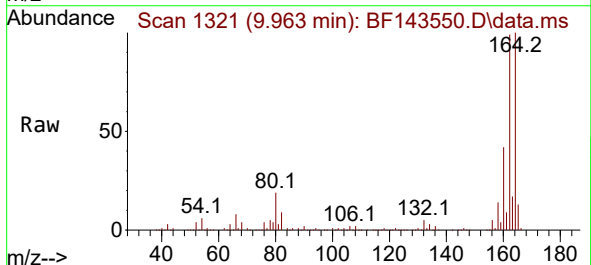
Tgt Ion:164 Resp: 200422

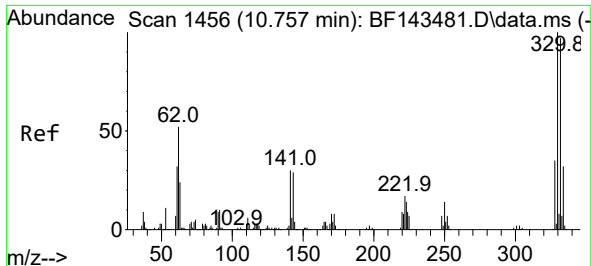
Ion Ratio Lower Upper

164 100

162 99.4 80.5 120.7

160 42.3 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 122.724 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF143550.D

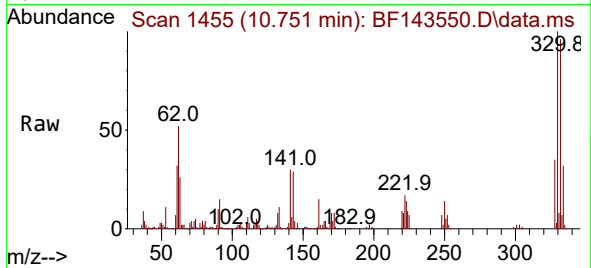
Acq: 22 Aug 2025 01:51

Instrument :

BNA_F

ClientSampleId :

MW-12B-081925



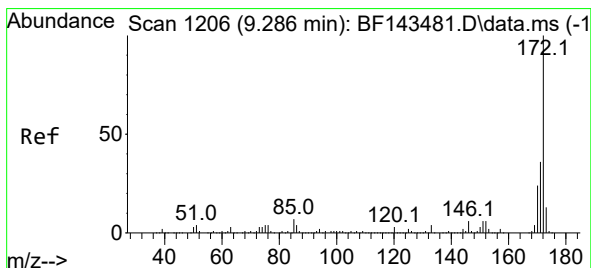
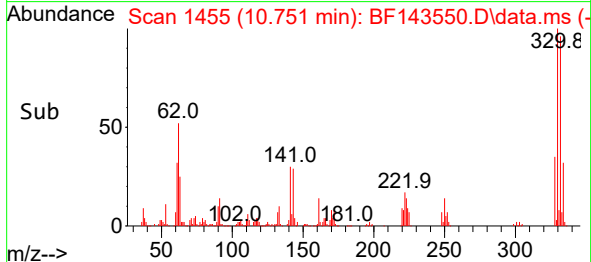
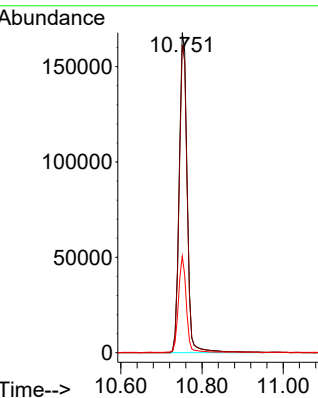
Tgt Ion:330 Resp: 228959

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

141 29.2 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 85.055 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143550.D

Acq: 22 Aug 2025 01:51

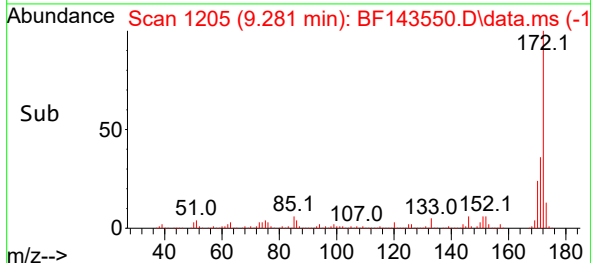
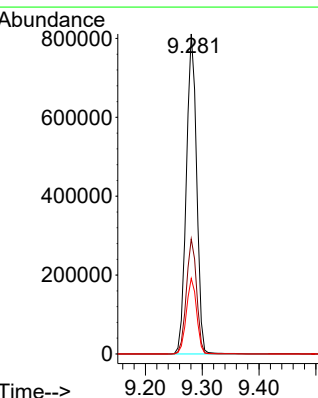
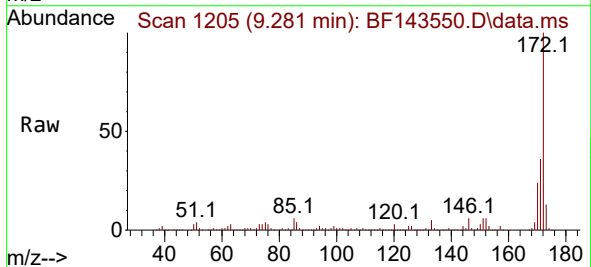
Tgt Ion:172 Resp: 1031471

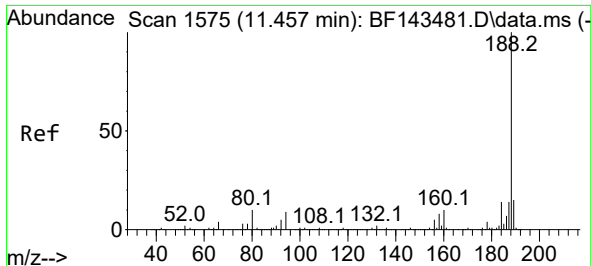
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.6 18.8 28.2

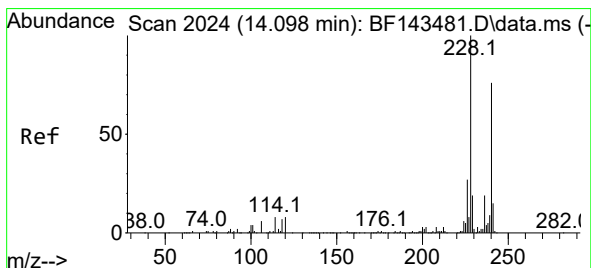
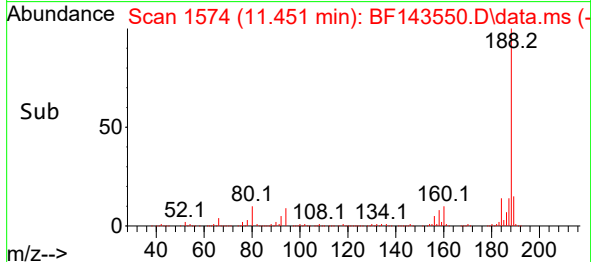
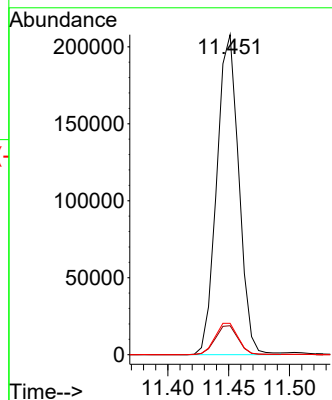
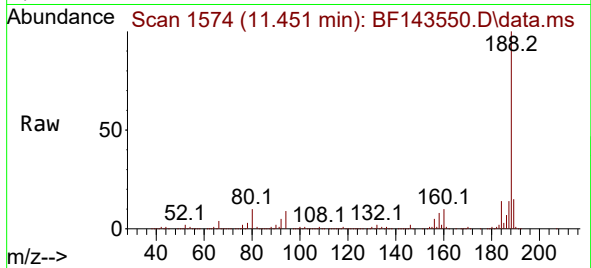




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143550.D
Acq: 22 Aug 2025 01:51

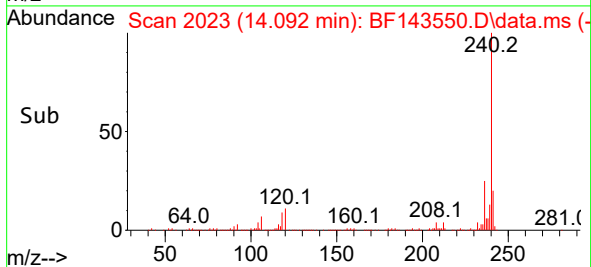
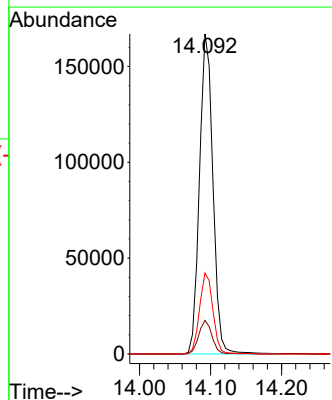
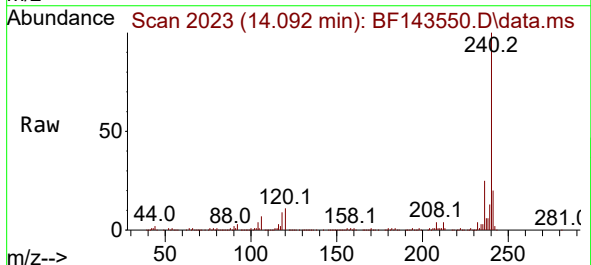
Instrument :
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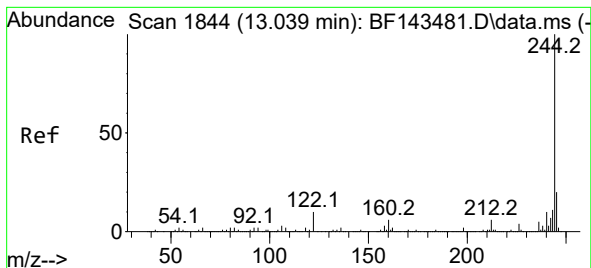
Tgt Ion:188 Resp: 262435
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 9.8 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143550.D
Acq: 22 Aug 2025 01:51

Tgt Ion:240 Resp: 220329
Ion Ratio Lower Upper
240 100
120 10.5 8.6 12.8
236 25.3 20.4 30.6





#79

Terphenyl-d14

Concen: 61.970 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143550.D

Acq: 22 Aug 2025 01:51

Instrument :

BNA_F

ClientSampleId :

MW-12B-081925

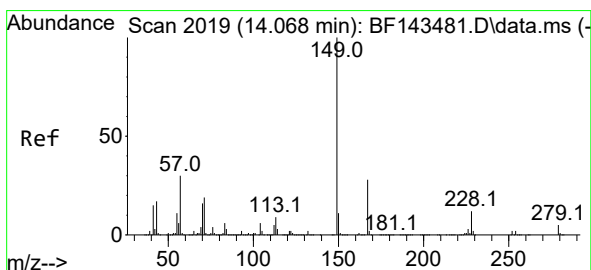
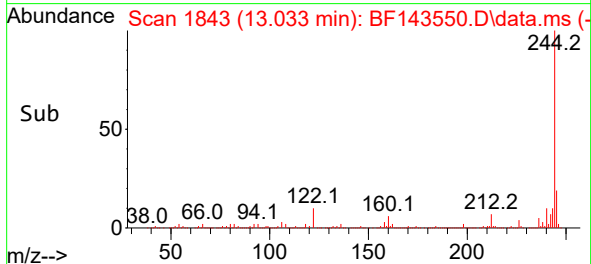
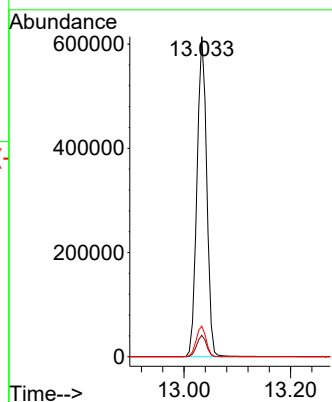
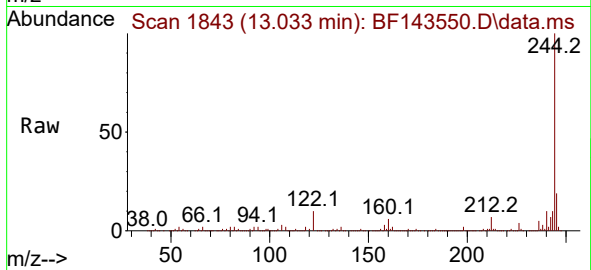
Tgt Ion:244 Resp: 782435

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 9.6 7.9 11.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.551 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF143550.D

Acq: 22 Aug 2025 01:51

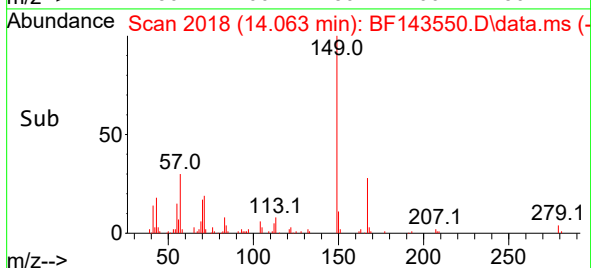
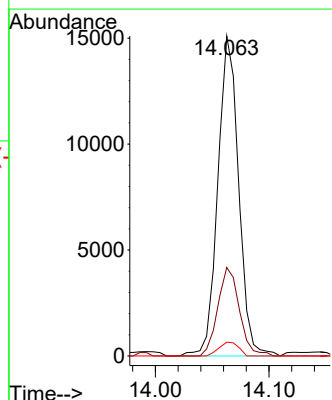
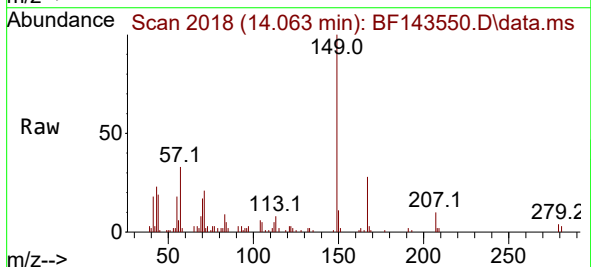
Tgt Ion:149 Resp: 19233

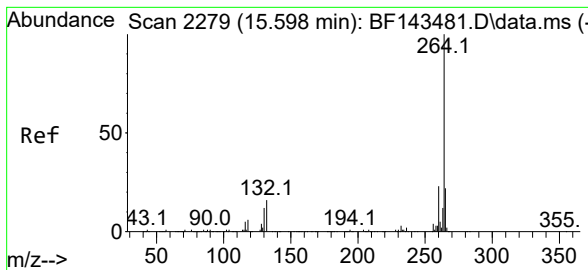
Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.2

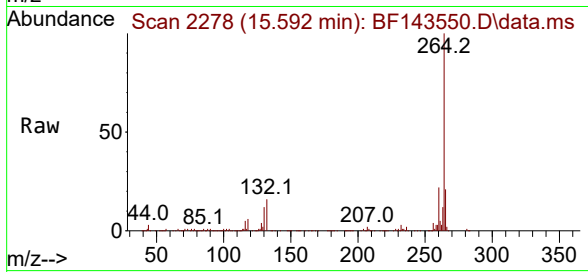
279 4.3 3.6 5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143550.D
Acq: 22 Aug 2025 01:51

Instrument :
BNA_F
ClientSampleId :
MW-12B-081925



Tgt Ion:264 Resp: 240511

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	20.8	17.6	26.4

