

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143551.D
 Acq On : 22 Aug 2025 02:19
 Operator : RC/JU
 Sample : Q2903-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-18B-081925

Quant Time: Aug 22 03:02:45 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)

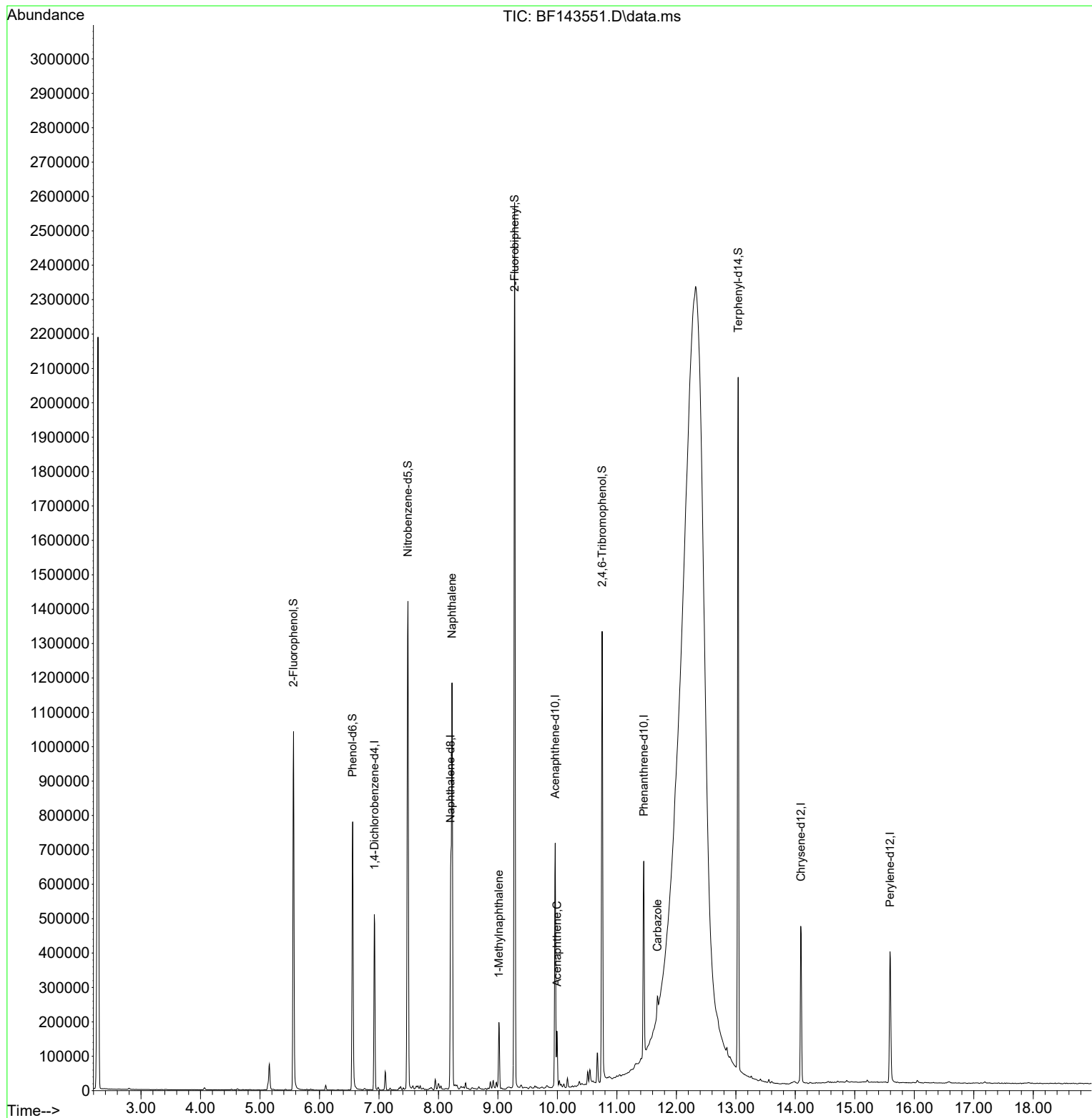
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	106602	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	407172	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	209305	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	286112	20.000	ng	0.00
76) Chrysene-d12	14.092	240	226863	20.000	ng	-0.01
86) Perylene-d12	15.592	264	240781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	376883	61.734	ng	0.00
7) Phenol-d6	6.557	99	356581	47.316	ng	-0.02
23) Nitrobenzene-d5	7.486	82	661061	94.741	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	236028	121.144	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1128256	89.087	ng	0.00
79) Terphenyl-d14	13.039	244	979052	75.309	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.228	128	705555	36.093	ng	100
38) 1-Methylnaphthalene	9.016	142	68516	5.486	ng	98
52) Acenaphthene	9.992	154	48472	4.277	ng	98
73) Carbazole	11.680	167	29977	2.357	ng	98

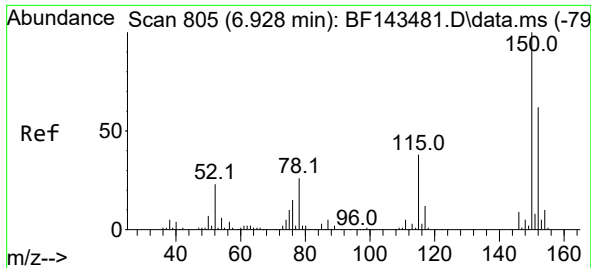
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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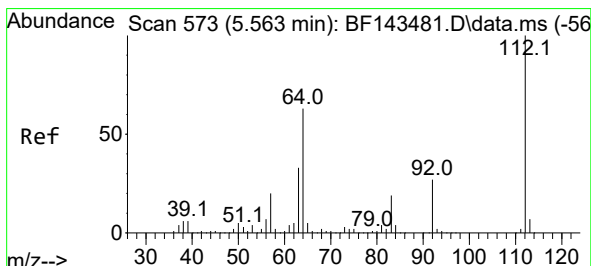
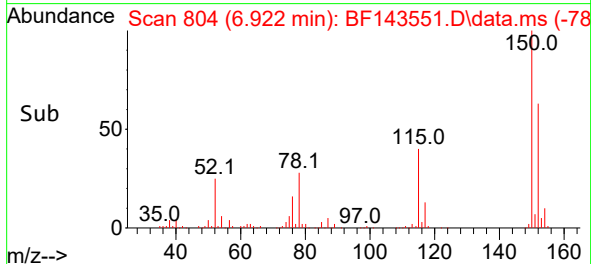
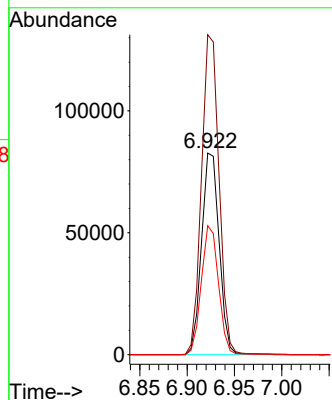
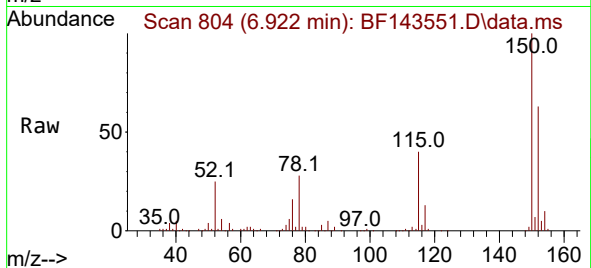




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.922 min Scan# 805
 Delta R.T. -0.006 min
 Lab File: BF143551.D
 Acq: 22 Aug 2025 02:19

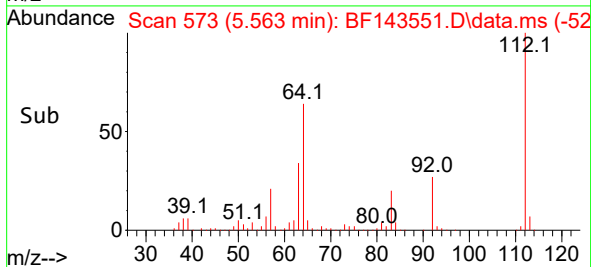
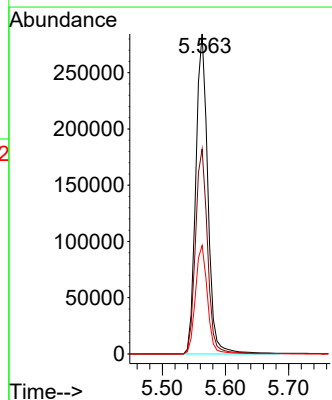
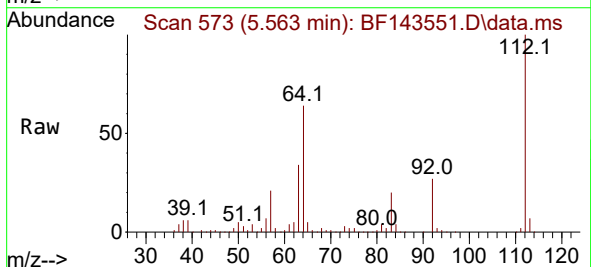
Instrument :
 BNA_F
 ClientSampleId :
 MW-18B-081925

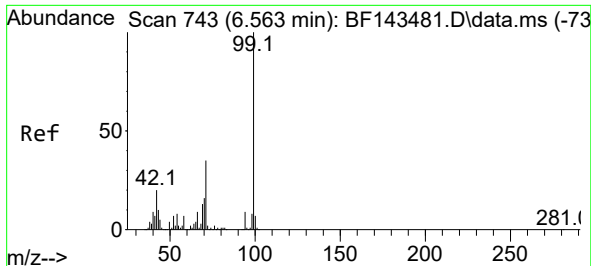
Tgt Ion:152 Resp: 106602
 Ion Ratio Lower Upper
 152 100
 150 158.7 128.9 193.3
 115 63.9 49.2 73.8



#5
 2-Fluorophenol
 Concen: 61.734 ng
 RT: 5.563 min Scan# 573
 Delta R.T. -0.000 min
 Lab File: BF143551.D
 Acq: 22 Aug 2025 02:19

Tgt Ion:112 Resp: 376883
 Ion Ratio Lower Upper
 112 100
 64 64.0 50.4 75.6
 63 33.9 26.4 39.6

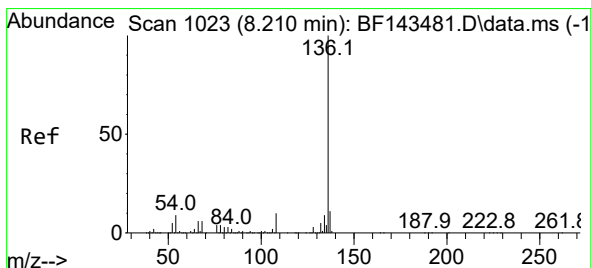
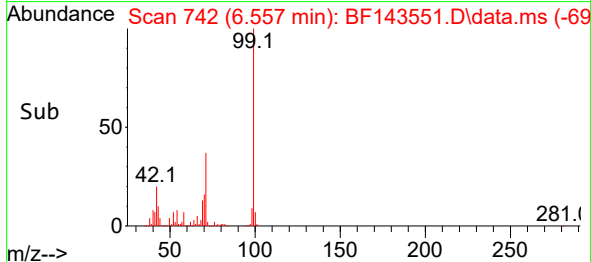
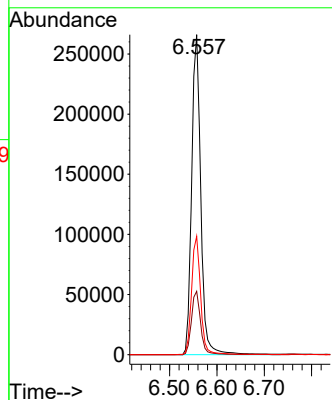
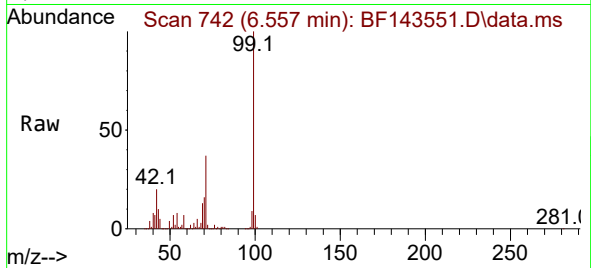




#7
Phenol-d6
Concen: 47.316 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143551.D
Acq: 22 Aug 2025 02:19

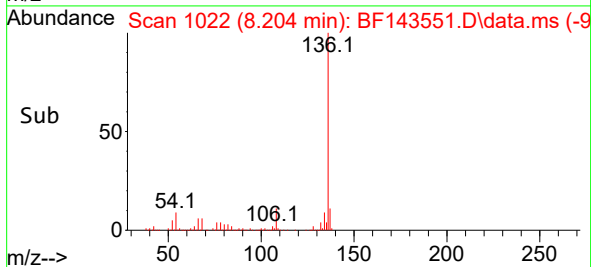
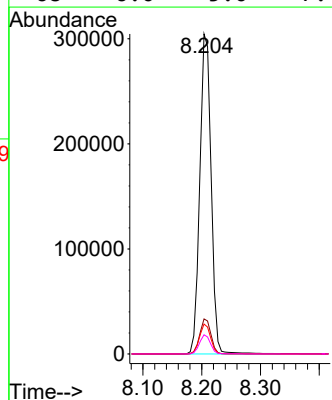
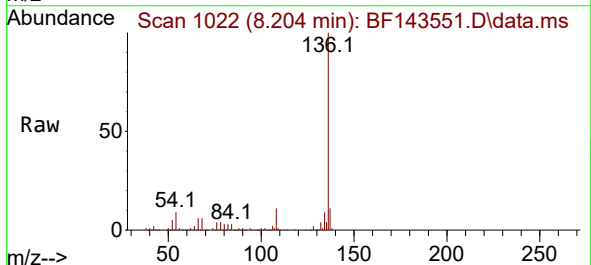
Instrument :
BNA_F
ClientSampleId :
MW-18B-081925

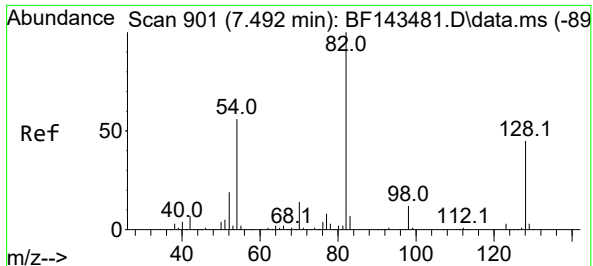
Tgt Ion: 99 Resp: 356581
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 37.0 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143551.D
Acq: 22 Aug 2025 02:19

Tgt Ion: 136 Resp: 407172
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.3 7.4 11.2
68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 94.741 ng

RT: 7.486 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143551.D

Acq: 22 Aug 2025 02:19

Instrument :

BNA_F

ClientSampleId :

MW-18B-081925

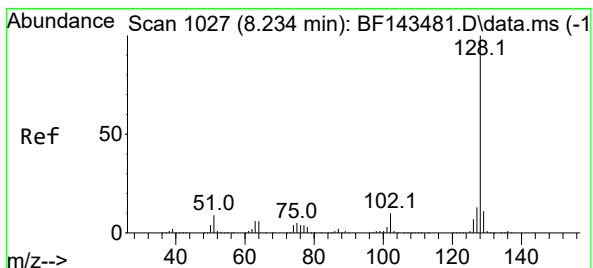
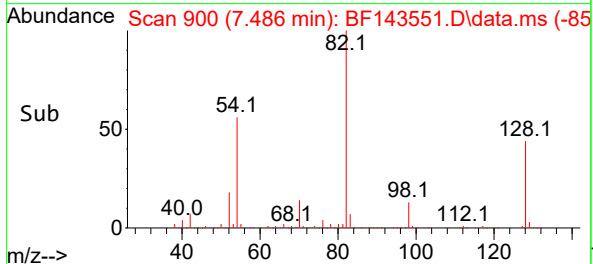
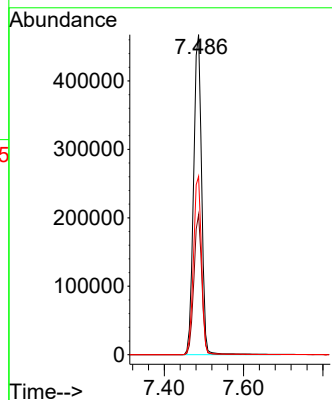
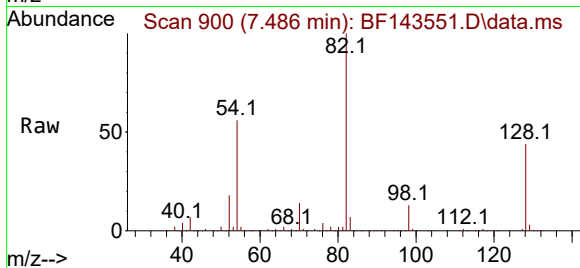
Tgt Ion: 82 Resp: 661061

Ion Ratio Lower Upper

82 100

128 43.8 35.5 53.3

54 55.7 44.3 66.5



#31

Naphthalene

Concen: 36.093 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143551.D

Acq: 22 Aug 2025 02:19

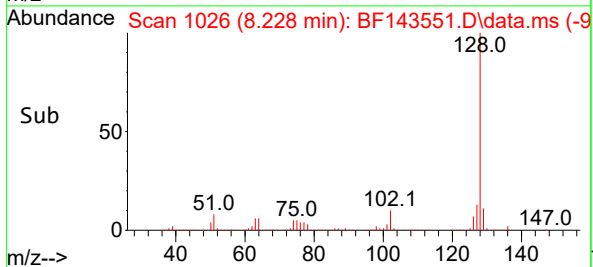
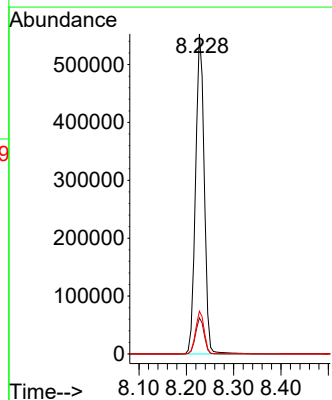
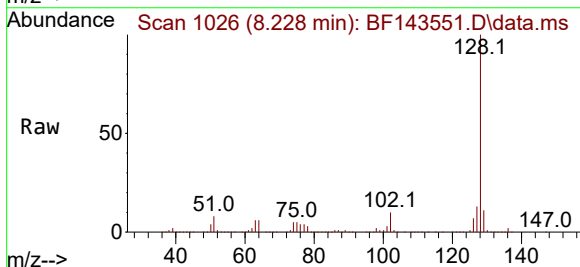
Tgt Ion: 128 Resp: 705555

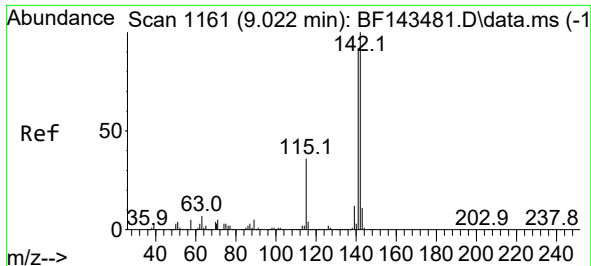
Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.4 10.6 16.0





#38

1-Methylnaphthalene

Concen: 5.486 ng

RT: 9.016 min Scan# 1160

Delta R.T. -0.012 min

Lab File: BF143551.D

Acq: 22 Aug 2025 02:19

Instrument :

BNA_F

ClientSampleId :

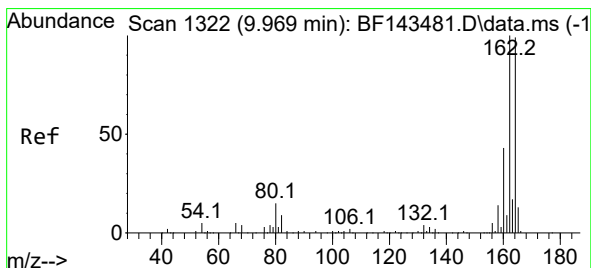
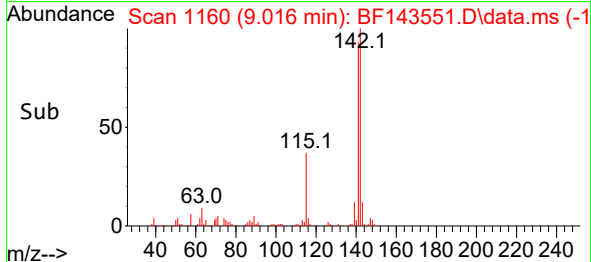
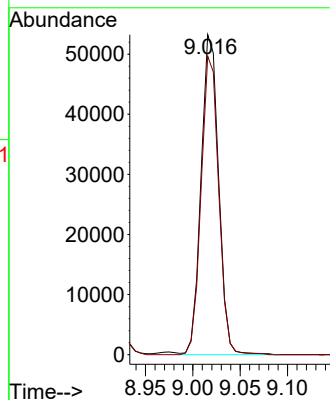
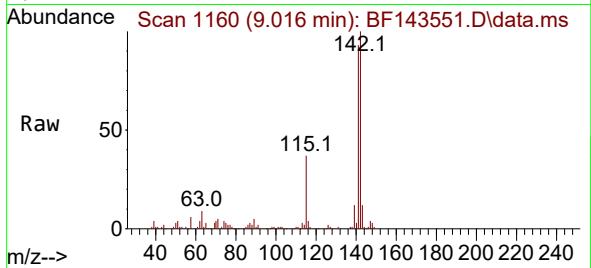
MW-18B-081925

Tgt Ion:142 Resp: 68516

Ion Ratio Lower Upper

142 100

141 93.2 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: BF143551.D

Acq: 22 Aug 2025 02:19

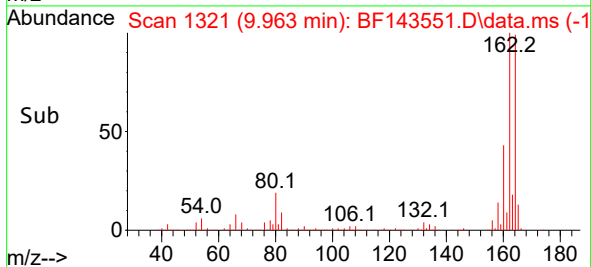
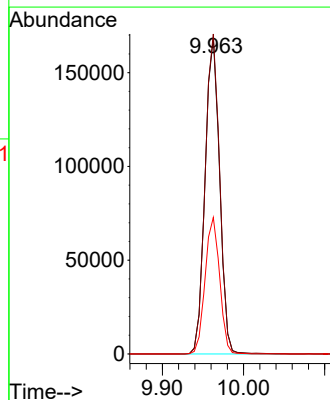
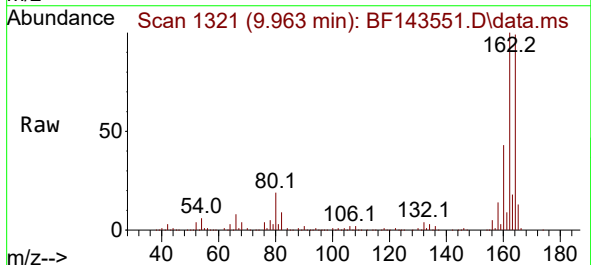
Tgt Ion:164 Resp: 209305

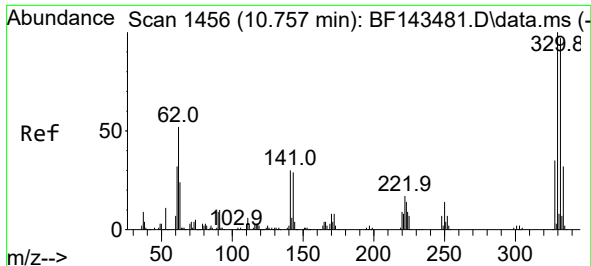
Ion Ratio Lower Upper

164 100

162 101.3 80.5 120.7

160 43.2 34.3 51.5

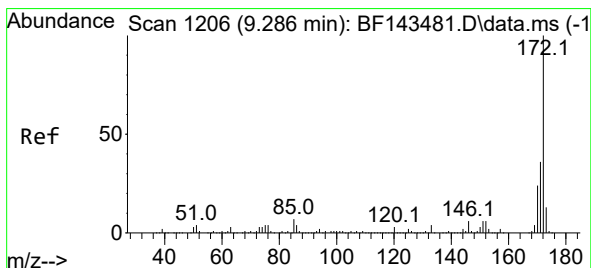
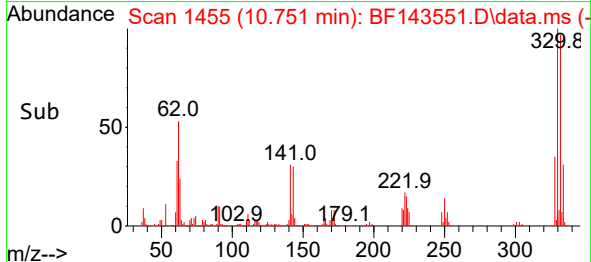
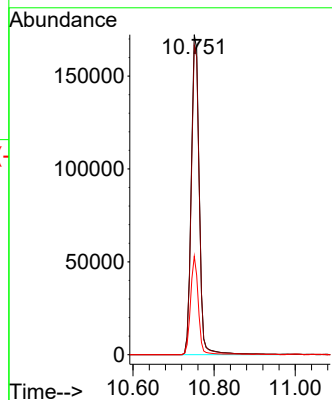
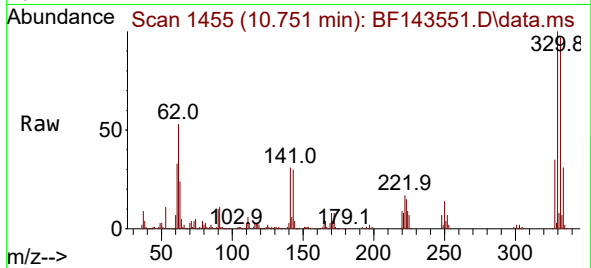




#42
2,4,6-Tribromophenol
Concen: 121.144 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF143551.D
Acq: 22 Aug 2025 02:19

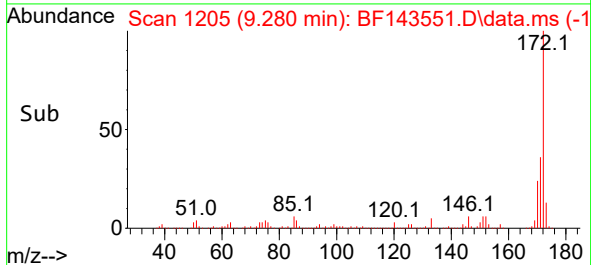
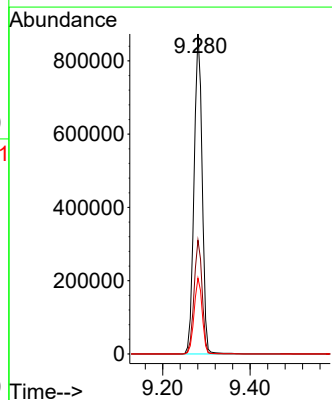
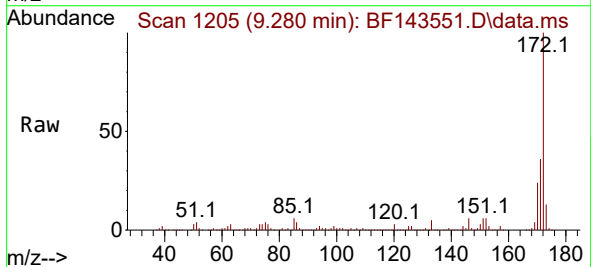
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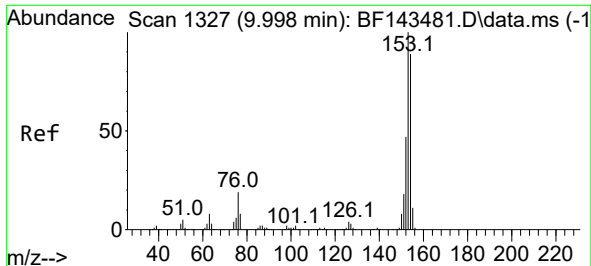
Tgt Ion:330 Resp: 236028
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 29.6 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 89.087 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143551.D
Acq: 22 Aug 2025 02:19

Tgt Ion:172 Resp: 1128256
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.7 18.8 28.2

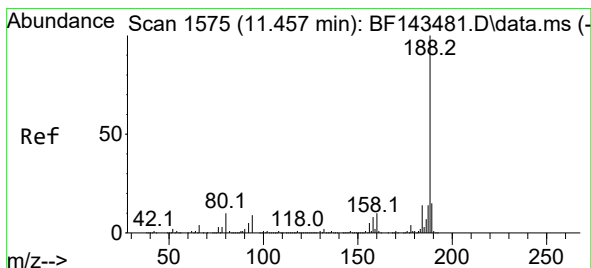
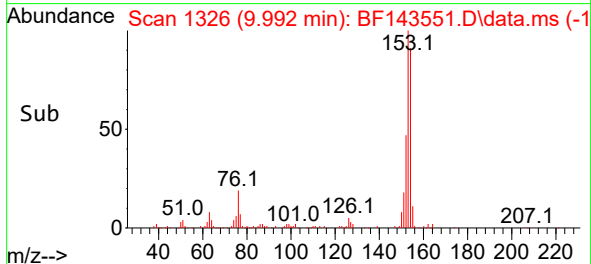
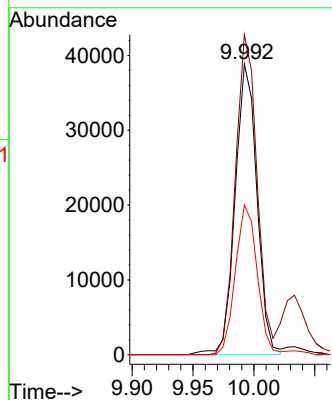
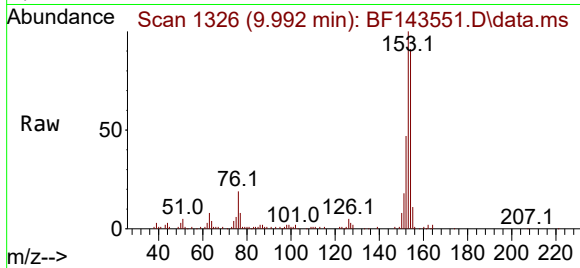




#52
Acenaphthene
Concen: 4.277 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143551.D
Acq: 22 Aug 2025 02:19

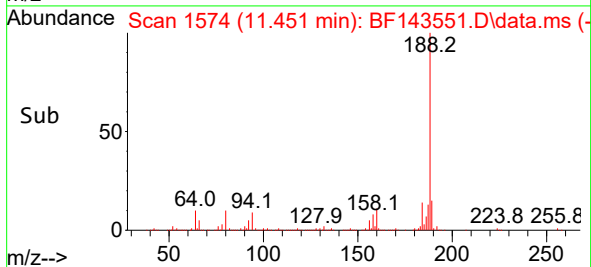
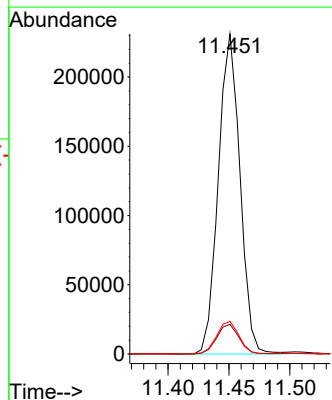
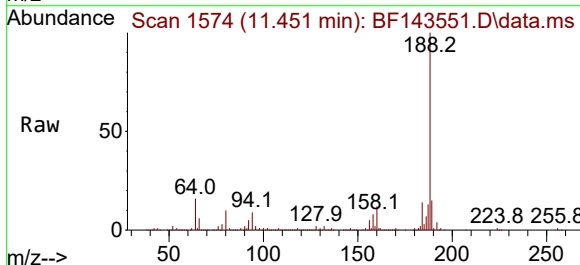
Instrument :
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MW-18B-081925

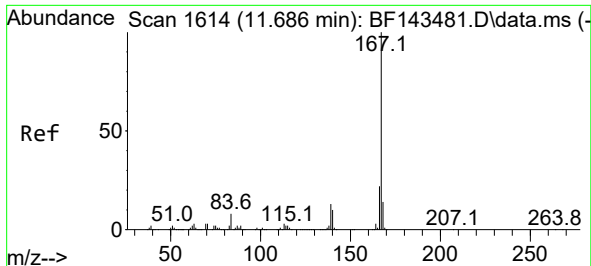
Tgt Ion:154 Resp: 48472
Ion Ratio Lower Upper
154 100
153 110.1 89.5 134.3
152 51.5 42.5 63.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143551.D
Acq: 22 Aug 2025 02:19

Tgt Ion:188 Resp: 286112
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.2 8.2 12.4

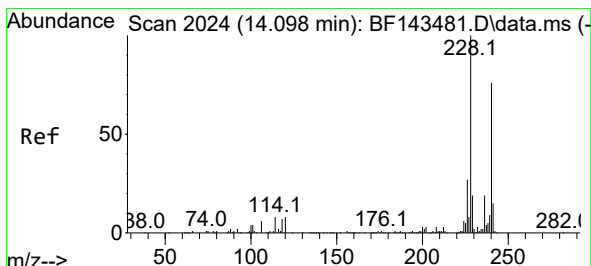
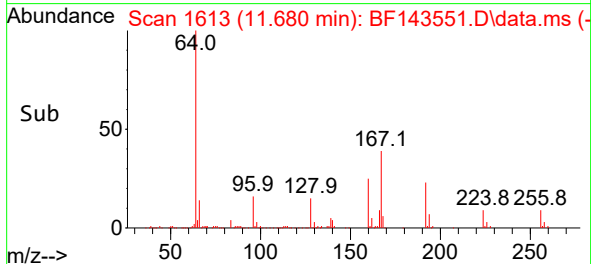
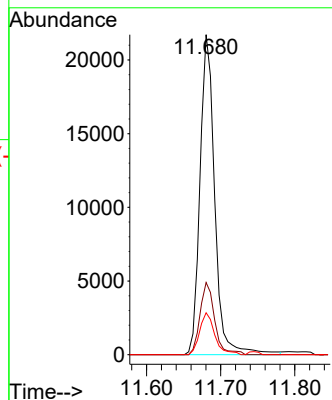
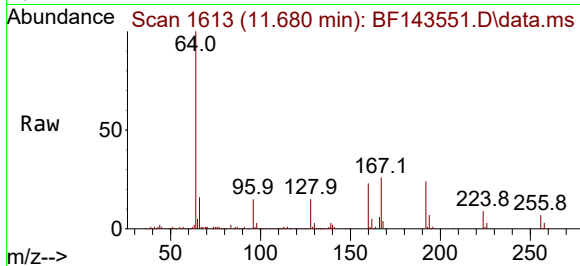




#73
 Carbazole
 Concen: 2.357 ng
 RT: 11.680 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF143551.D
 Acq: 22 Aug 2025 02:19

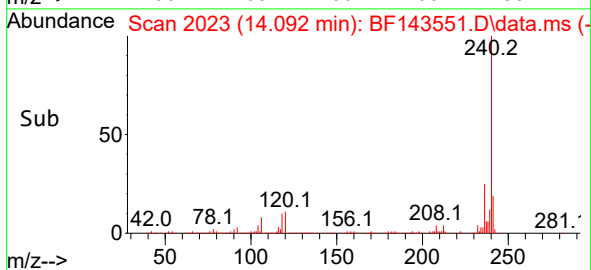
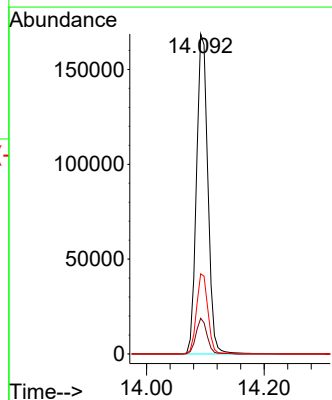
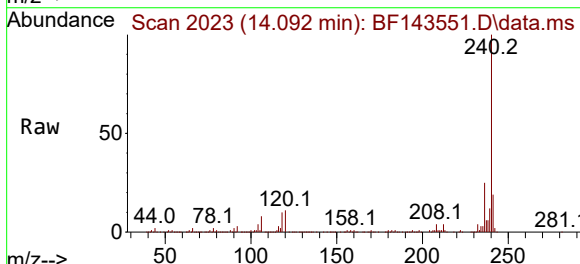
Instrument :
 BNA_F
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 MW-18B-081925

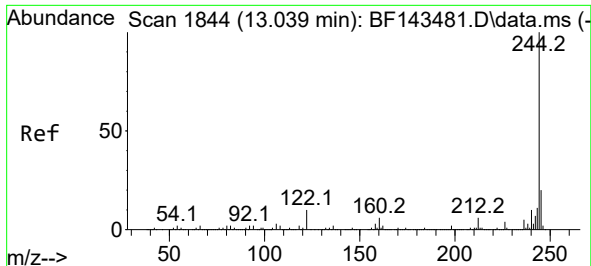
Tgt Ion:	167	Resp:	29977
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.3	25.9
139	13.1	10.0	15.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.092 min Scan# 2023
 Delta R.T. -0.012 min
 Lab File: BF143551.D
 Acq: 22 Aug 2025 02:19

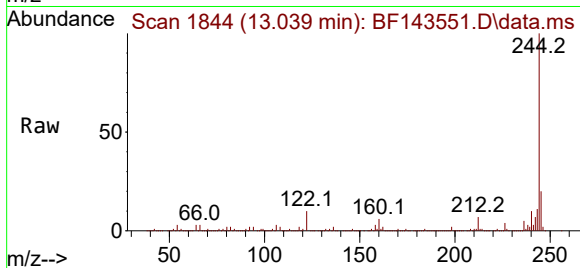
Tgt Ion:	240	Resp:	226863
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.6	12.8
236	25.1	20.4	30.6



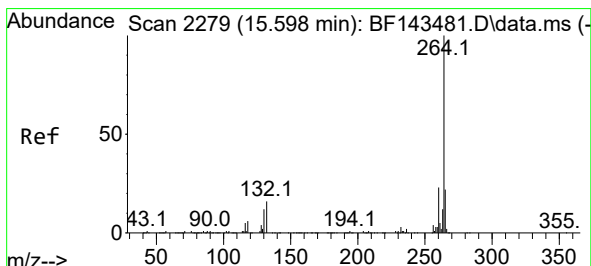
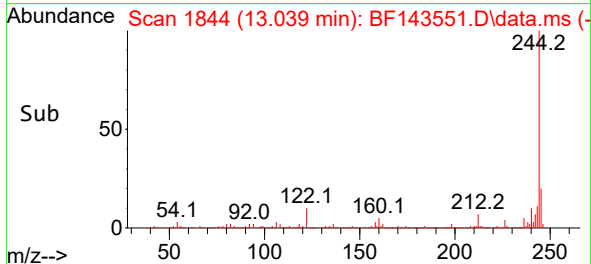
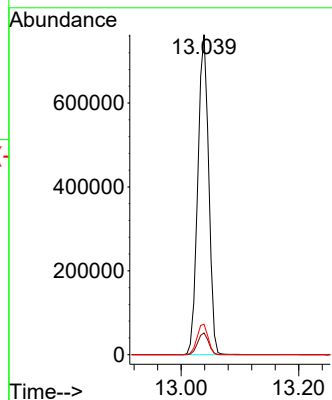


#79
 Terphenyl-d14
 Concen: 75.309 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143551.D
 Acq: 22 Aug 2025 02:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-18B-081925



Tgt Ion:244 Resp: 979052
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.2 7.8
 122 9.5 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143551.D
 Acq: 22 Aug 2025 02:19

Tgt Ion:264 Resp: 240781
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.7 28.1
 265 21.3 17.6 26.4

