

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143554.D
 Acq On : 22 Aug 2025 03:46
 Operator : RC/JU
 Sample : Q2903-11
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-18A-081925

Quant Time: Aug 22 04:13:36 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)

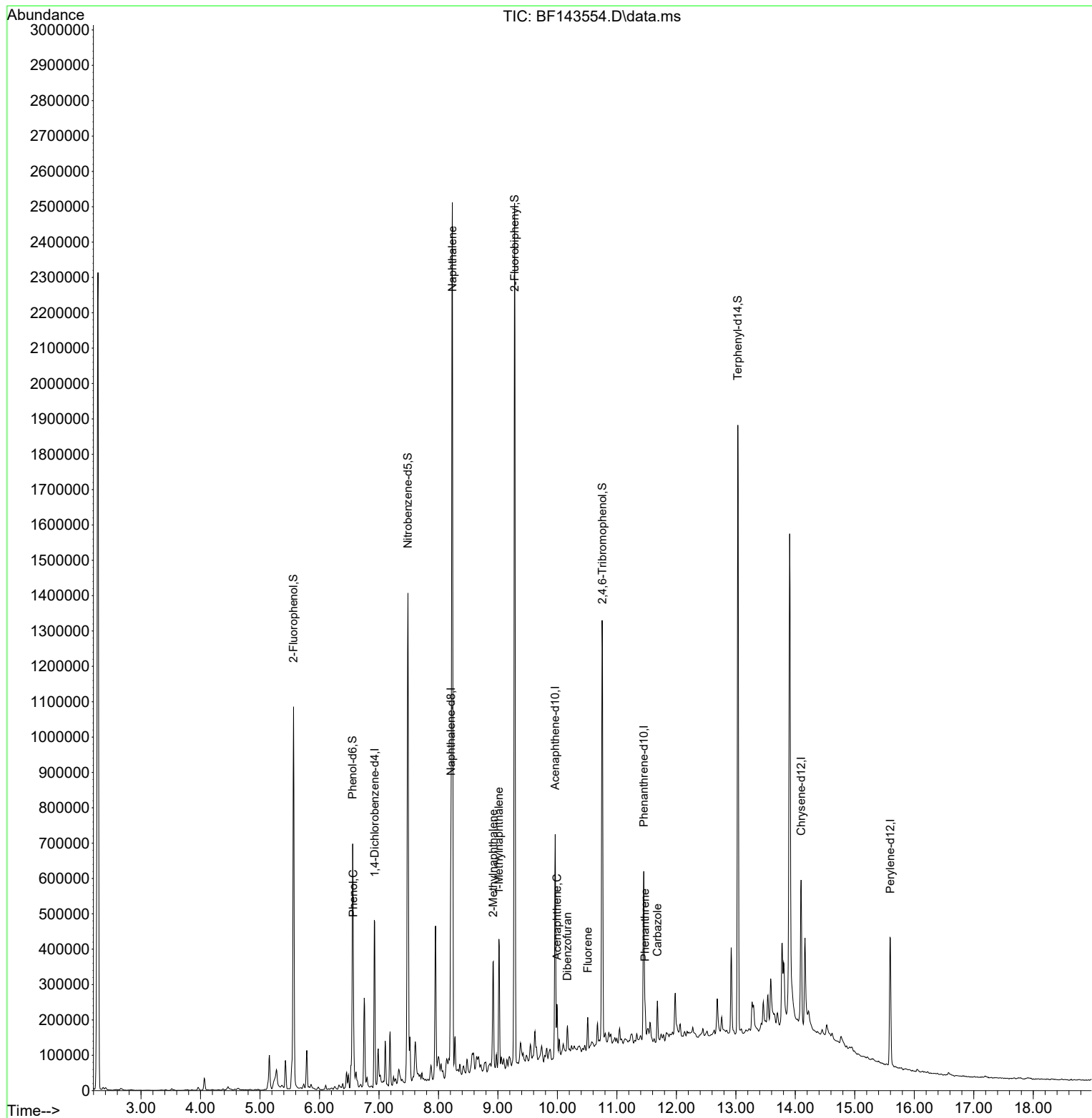
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	99343	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	372324	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	180848	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	236597	20.000	ng	0.00
76) Chrysene-d12	14.098	240	198771	20.000	ng	0.00
86) Perylene-d12	15.598	264	217874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	372978	65.559	ng	0.00
7) Phenol-d6	6.557	99	288735	41.113	ng	-0.02
23) Nitrobenzene-d5	7.486	82	624393	97.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	212674	126.334	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1043433	95.354	ng	0.00
79) Terphenyl-d14	13.033	244	833945	73.213	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.569	94	47642	5.889	ng	89
31) Naphthalene	8.233	128	1477158	82.637	ng	99
37) 2-Methylnaphthalene	8.922	142	116804	9.784	ng	98
38) 1-Methylnaphthalene	9.016	142	127332	11.150	ng	97
52) Acenaphthene	9.992	154	45385	4.635	ng	99
55) Dibenzofuran	10.168	168	33484	2.399	ng	95
58) Fluorene	10.510	166	32107	2.988	ng	97
71) Phenanthrene	11.474	178	39176	3.092	ng	95
73) Carbazole	11.680	167	66007	6.276	ng	97

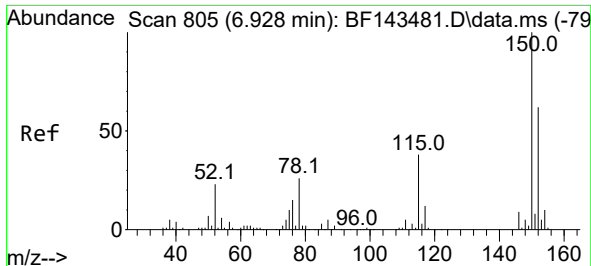
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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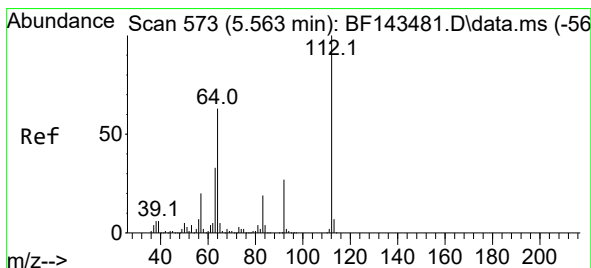
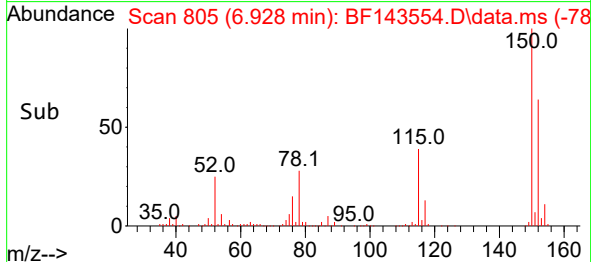
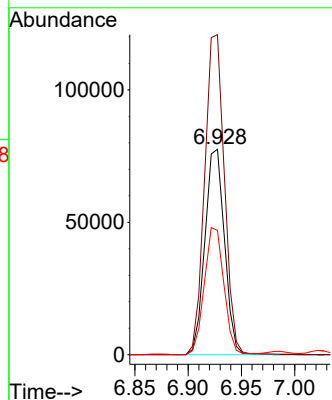
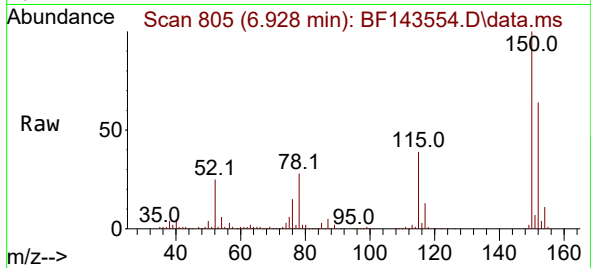




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

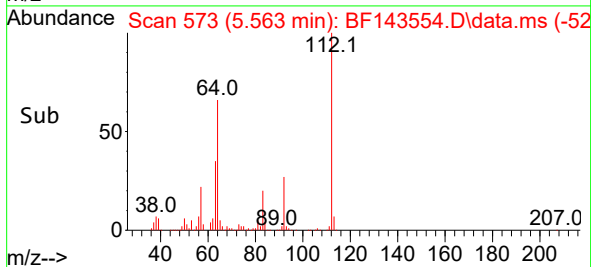
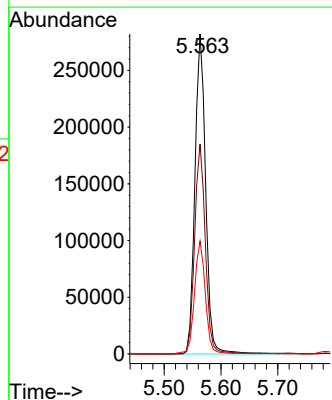
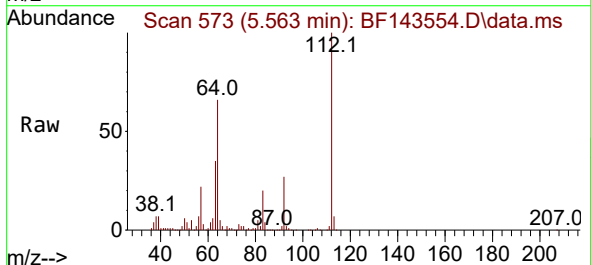
Instrument :
BNA_F
ClientSampleId :
MW-18A-081925

Tgt Ion:152 Resp: 99343
Ion Ratio Lower Upper
152 100
150 155.7 128.9 193.3
115 60.5 49.2 73.8



#5
2-Fluorophenol
Concen: 65.559 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

Tgt Ion:112 Resp: 372978
Ion Ratio Lower Upper
112 100
64 65.5 50.4 75.6
63 35.3 26.4 39.6

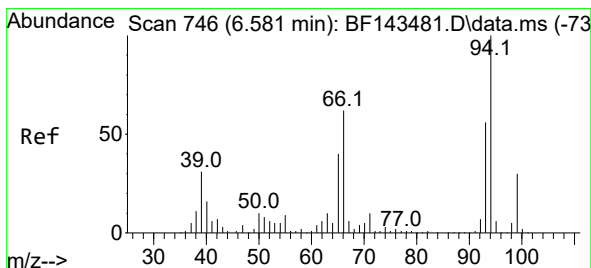
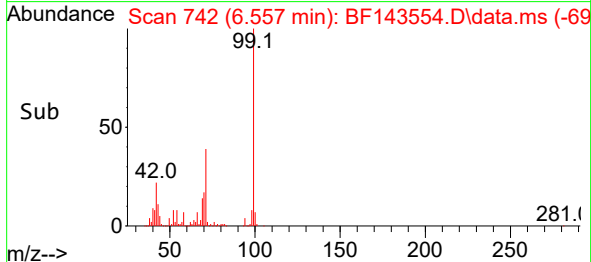
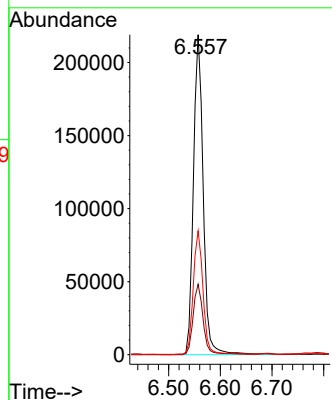
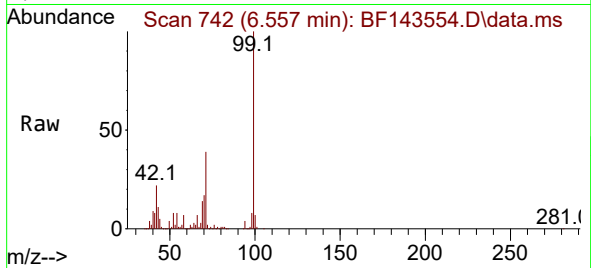




#7
Phenol-d6
Concen: 41.113 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

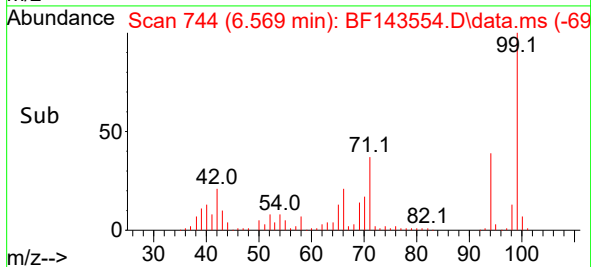
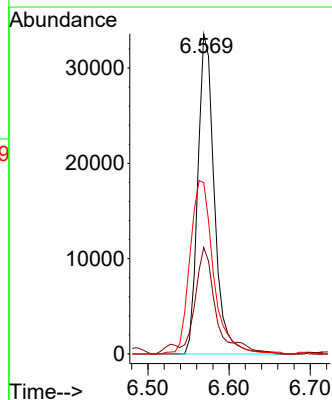
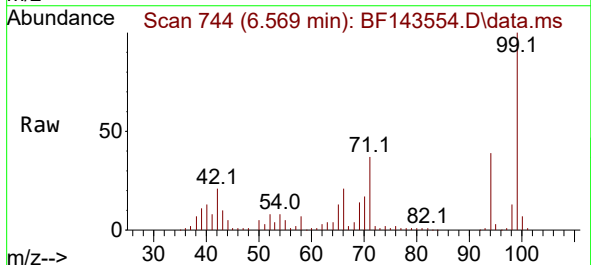
Instrument :
BNA_F
ClientSampleId :
MW-18A-081925

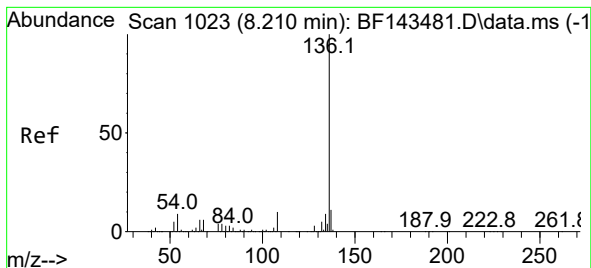
Tgt Ion: 99 Resp: 288735
Ion Ratio Lower Upper
99 100
42 22.0 16.3 24.5
71 38.7 28.2 42.2



#10
Phenol
Concen: 5.889 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

Tgt Ion: 94 Resp: 47642
Ion Ratio Lower Upper
94 100
65 33.2 19.5 59.5
66 53.6 42.5 82.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143554.D

Acq: 22 Aug 2025 03:46

Instrument :

BNA_F

ClientSampleId :

MW-18A-081925

Tgt Ion:136 Resp: 372324

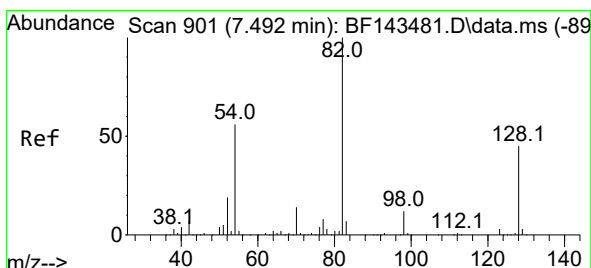
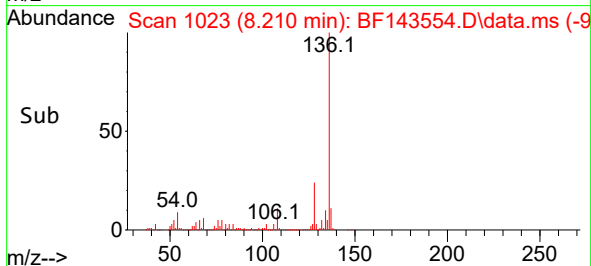
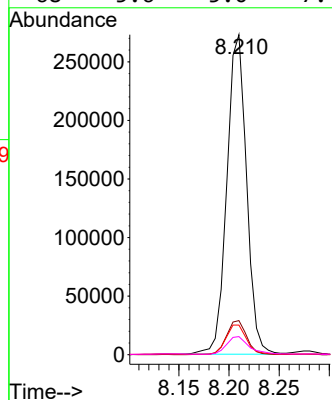
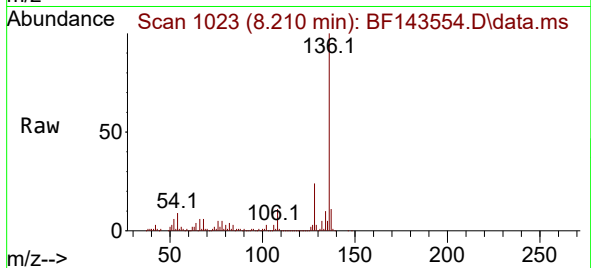
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 9.3 7.4 11.2

68 5.6 5.0 7.4



#23

Nitrobenzene-d5

Concen: 97.862 ng

RT: 7.486 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143554.D

Acq: 22 Aug 2025 03:46

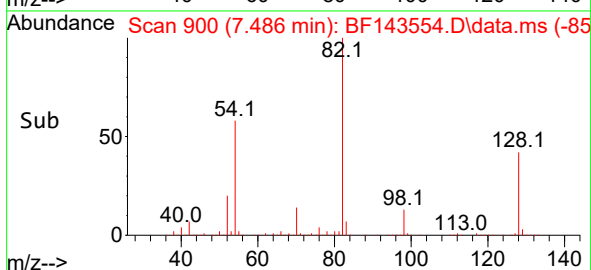
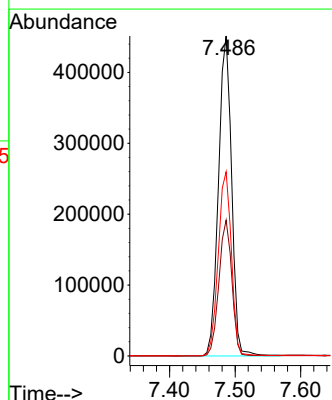
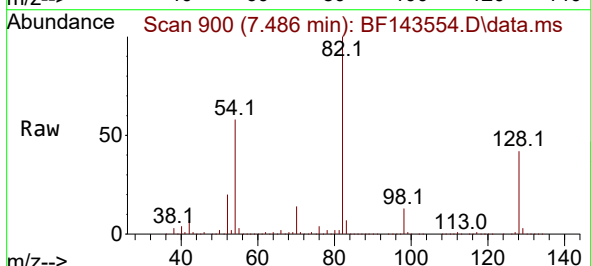
Tgt Ion: 82 Resp: 624393

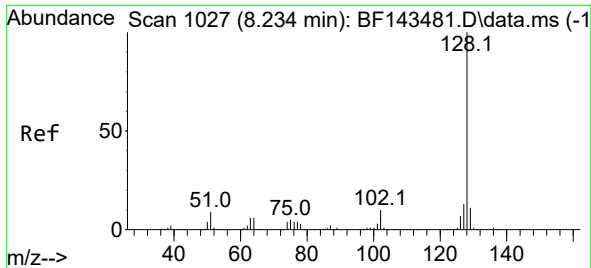
Ion Ratio Lower Upper

82 100

128 42.5 35.5 53.3

54 57.6 44.3 66.5

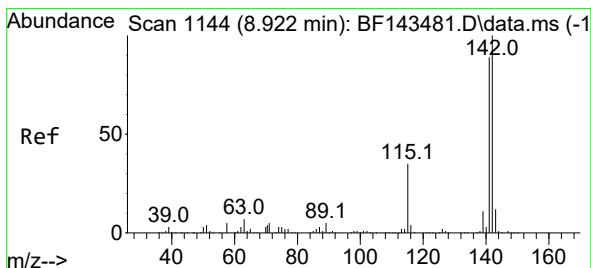
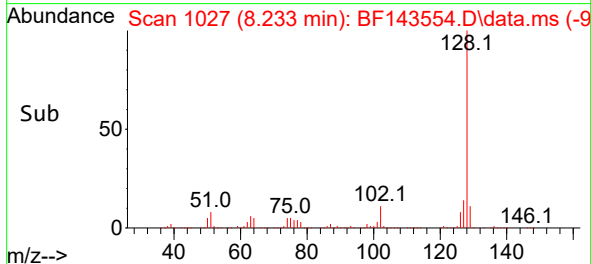
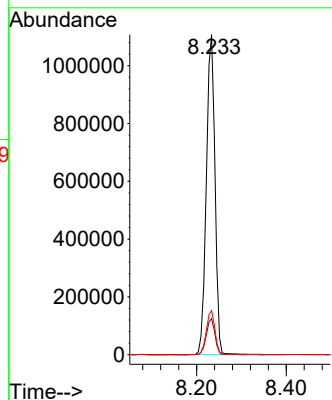
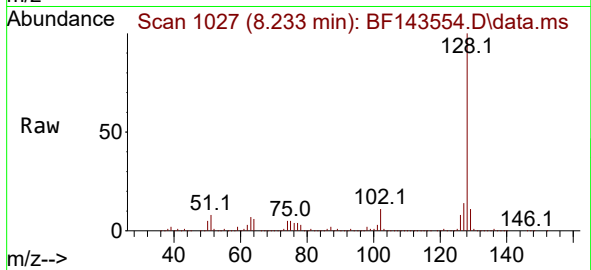




#31
Naphthalene
Concen: 82.637 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

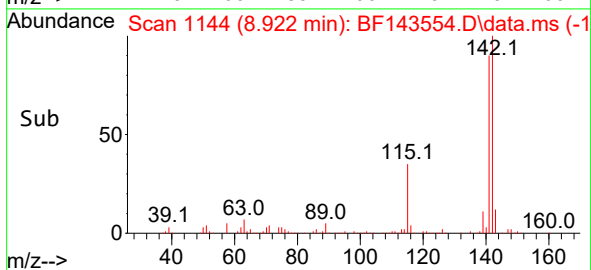
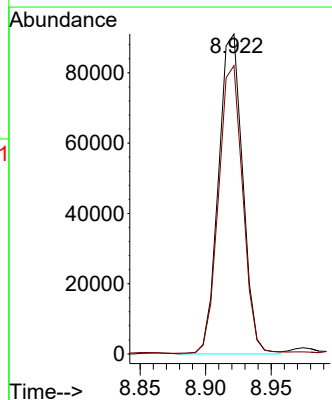
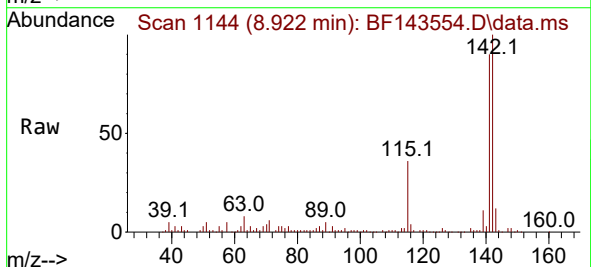
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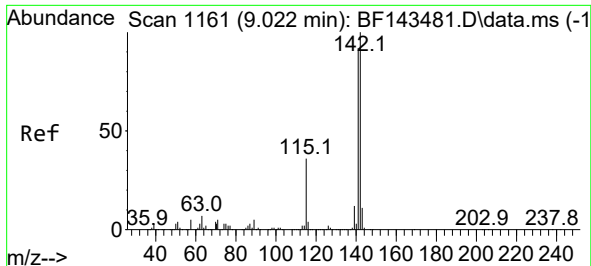
Tgt Ion:128 Resp: 1477158
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.8 10.6 16.0



#37
2-Methylnaphthalene
Concen: 9.784 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

Tgt Ion:142 Resp: 116804
Ion Ratio Lower Upper
142 100
141 90.1 71.0 106.4

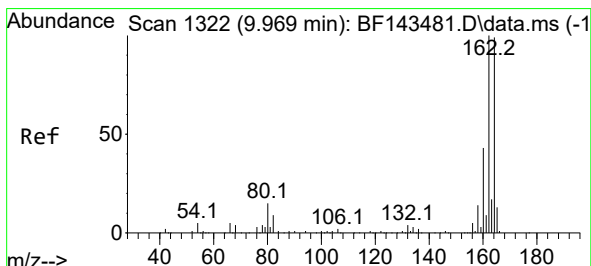
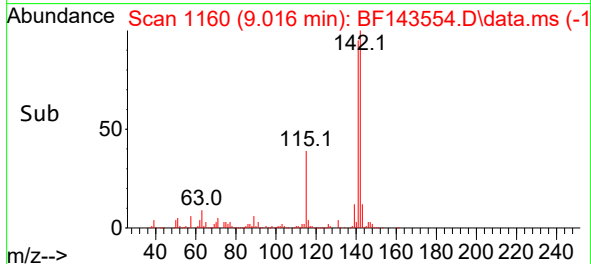
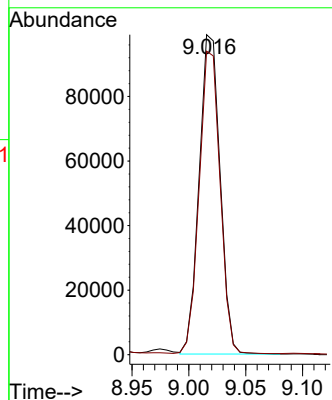
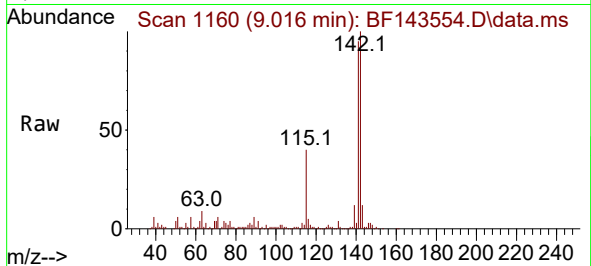




#38
1-Methylnaphthalene
Concen: 11.150 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

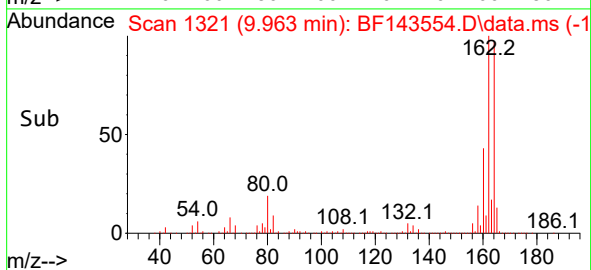
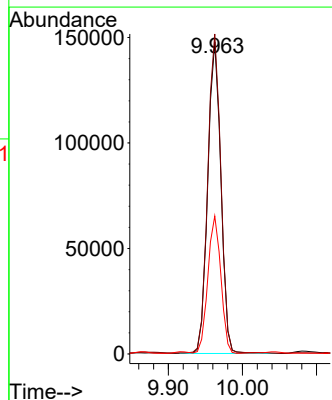
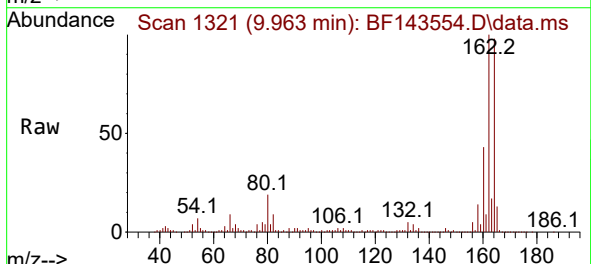
Instrument :
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ClientSampleId :
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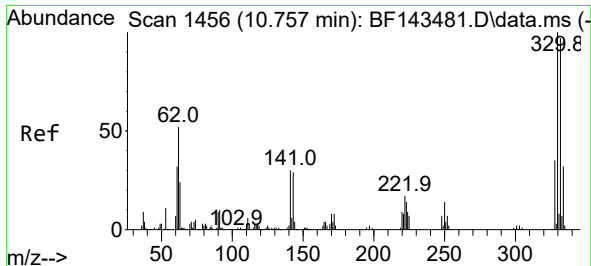
Tgt Ion:142 Resp: 127332
Ion Ratio Lower Upper
142 100
141 94.9 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

Tgt Ion:164 Resp: 180848
Ion Ratio Lower Upper
164 100
162 102.6 80.5 120.7
160 44.2 34.3 51.5



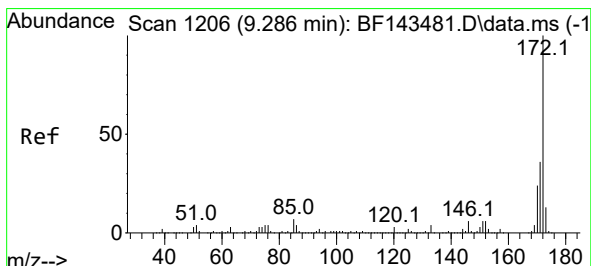
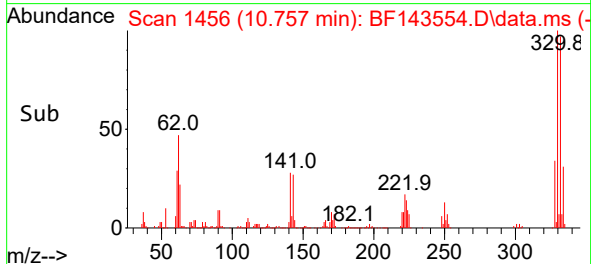
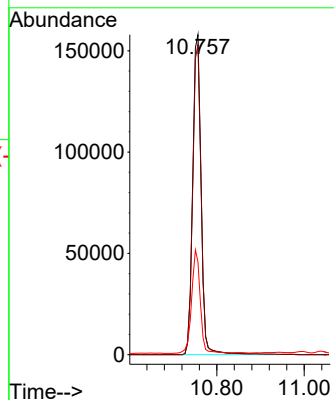
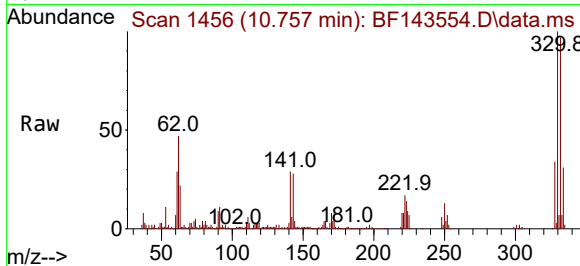


#42
 2,4,6-Tribromophenol
 Concen: 126.334 ng
 RT: 10.757 min Scan# 1456
 Delta R.T. -0.006 min
 Lab File: BF143554.D
 Acq: 22 Aug 2025 03:46

Instrument :
 BNA_F
 ClientSampleId :
 MW-18A-081925

Tgt Ion: 330 Resp: 212674

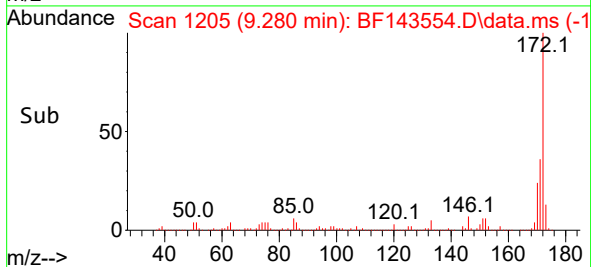
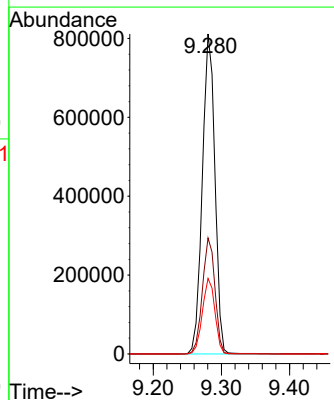
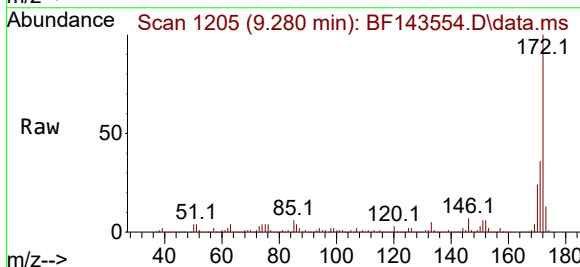
Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	32.9	23.7	35.5

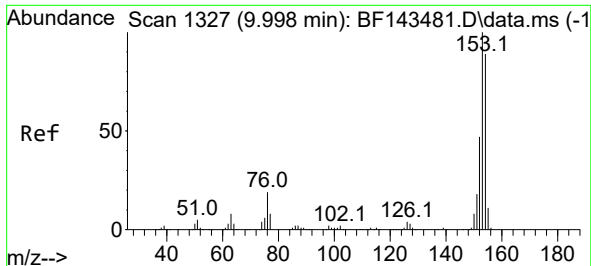


#45
 2-Fluorobiphenyl
 Concen: 95.354 ng
 RT: 9.280 min Scan# 1205
 Delta R.T. -0.006 min
 Lab File: BF143554.D
 Acq: 22 Aug 2025 03:46

Tgt Ion: 172 Resp: 1043433

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	23.6	18.8	28.2

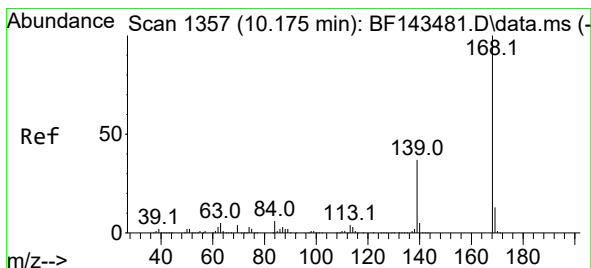
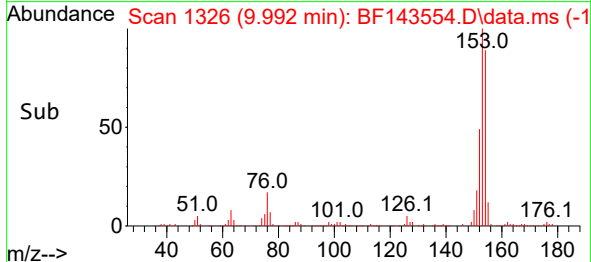
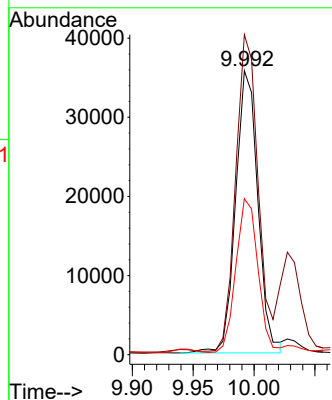
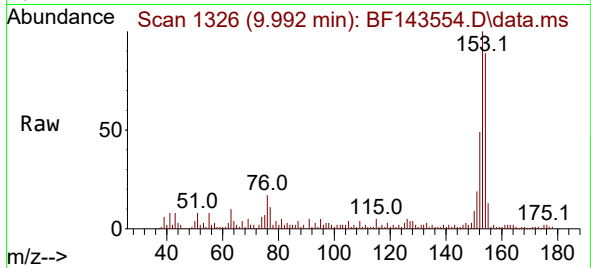




#52
Acenaphthene
Concen: 4.635 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

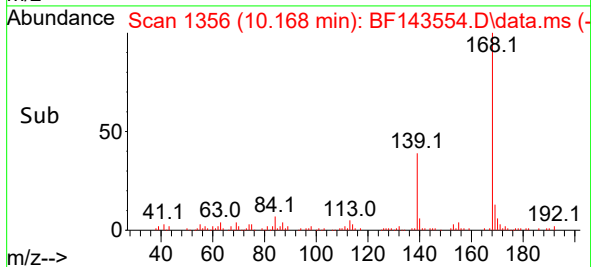
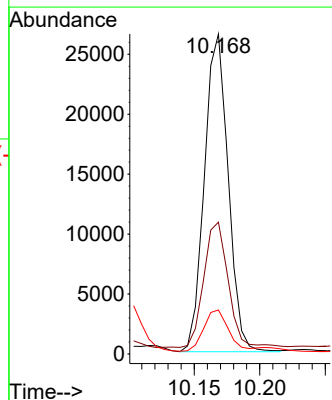
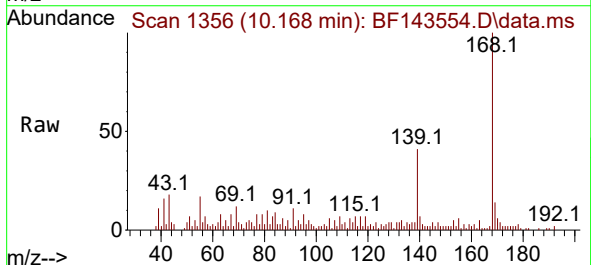
Instrument :
BNA_F
ClientSampleId :
MW-18A-081925

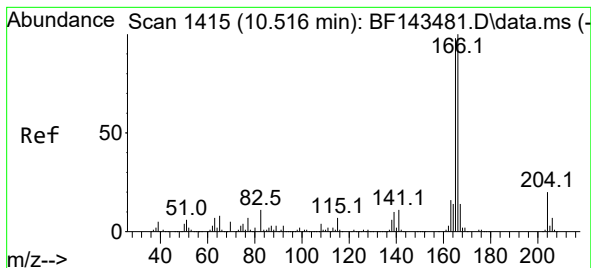
Tgt Ion:154 Resp: 45385
Ion Ratio Lower Upper
154 100
153 112.7 89.5 134.3
152 55.0 42.5 63.7



#55
Dibenzofuran
Concen: 2.399 ng
RT: 10.168 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

Tgt Ion:168 Resp: 33484
Ion Ratio Lower Upper
168 100
139 41.2 29.8 44.6
169 13.7 10.8 16.2





#58

Fluorene

Concen: 2.988 ng

RT: 10.510 min Scan# 1415

Delta R.T. -0.012 min

Lab File: BF143554.D

Acq: 22 Aug 2025 03:46

Instrument :

BNA_F

ClientSampleId :

MW-18A-081925

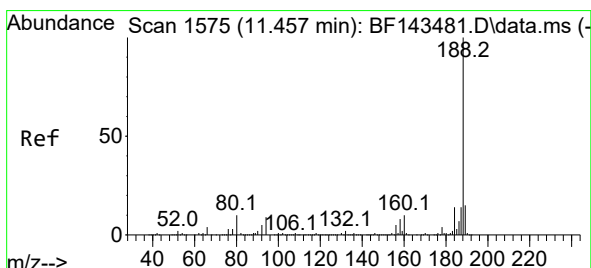
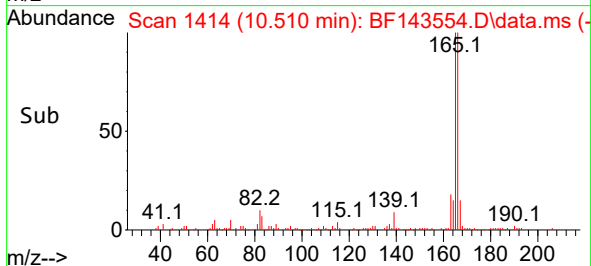
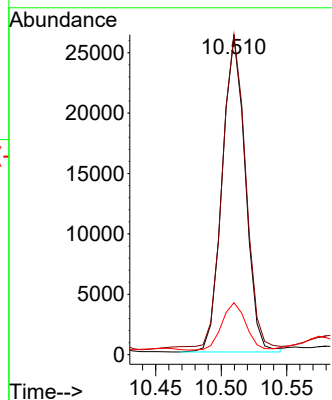
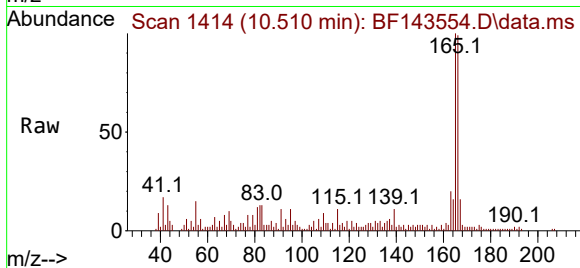
Tgt Ion:166 Resp: 32107

Ion Ratio Lower Upper

166 100

165 100.8 78.3 117.5

167 16.4 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF143554.D

Acq: 22 Aug 2025 03:46

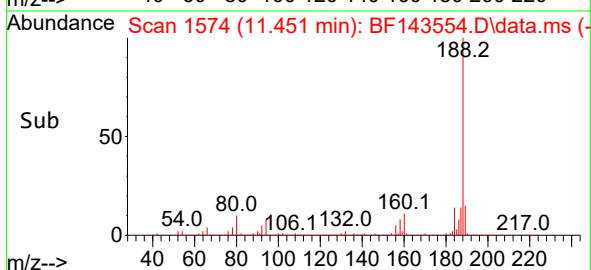
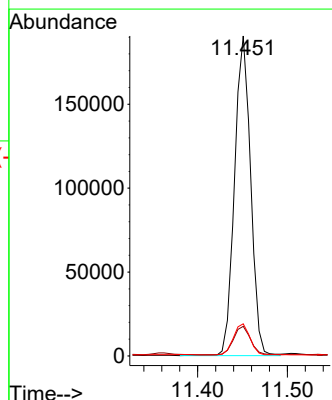
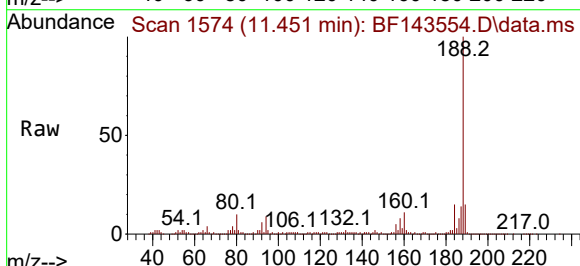
Tgt Ion:188 Resp: 236597

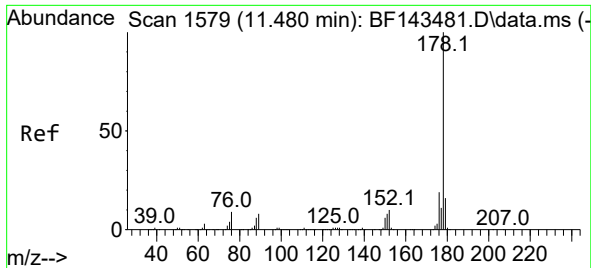
Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.0 8.2 12.4

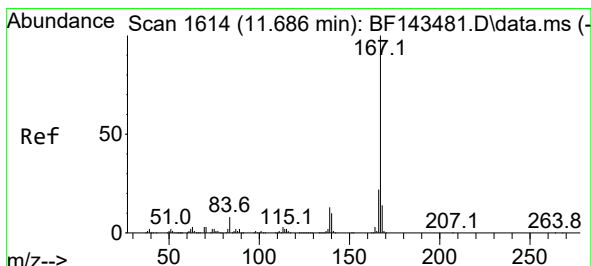
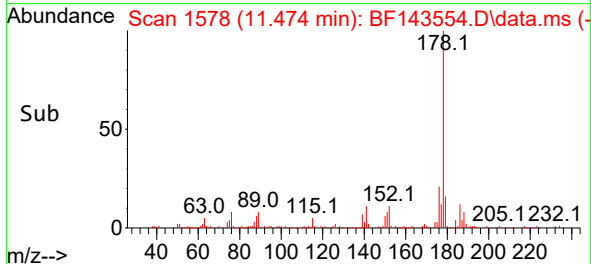
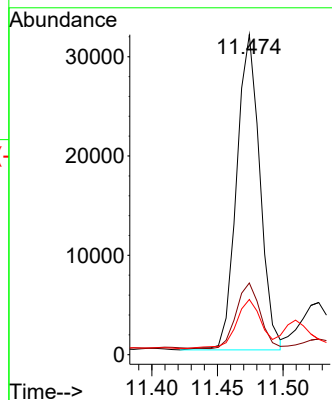
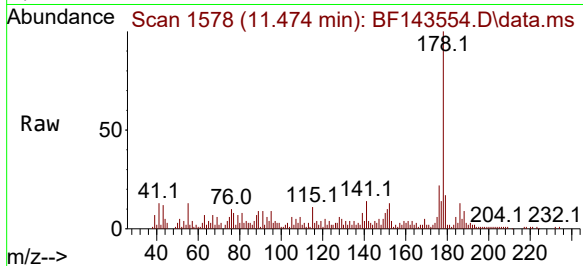




#71
Phenanthrene
Concen: 3.092 ng
RT: 11.474 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

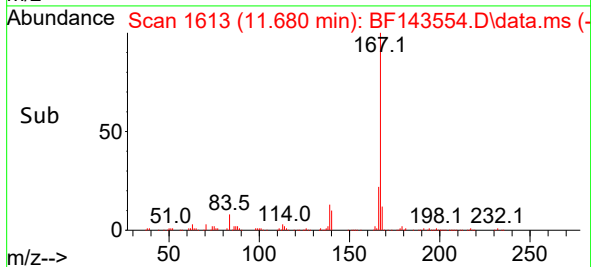
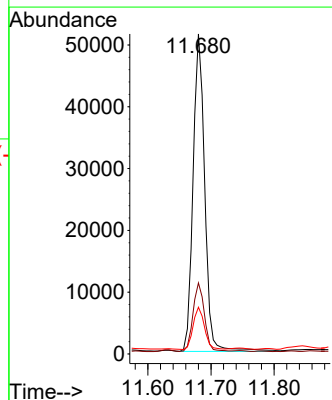
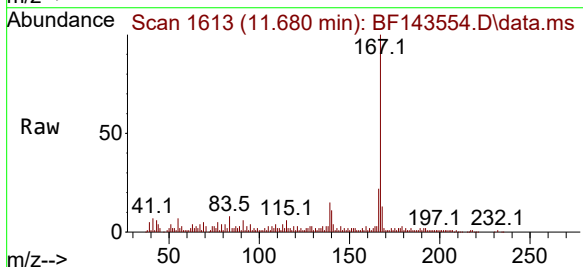
Instrument :
BNA_F
ClientSampleId :
MW-18A-081925

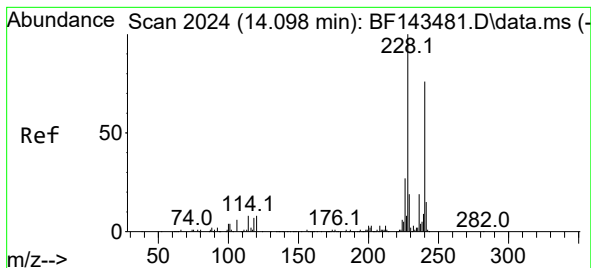
Tgt Ion:178 Resp: 39176
Ion Ratio Lower Upper
178 100
176 22.4 15.5 23.3
179 17.2 12.5 18.7



#73
Carbazole
Concen: 6.276 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143554.D
Acq: 22 Aug 2025 03:46

Tgt Ion:167 Resp: 66007
Ion Ratio Lower Upper
167 100
166 22.2 17.3 25.9
139 14.6 10.0 15.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143554.D

Acq: 22 Aug 2025 03:46

Instrument :

BNA_F

ClientSampleId :

MW-18A-081925

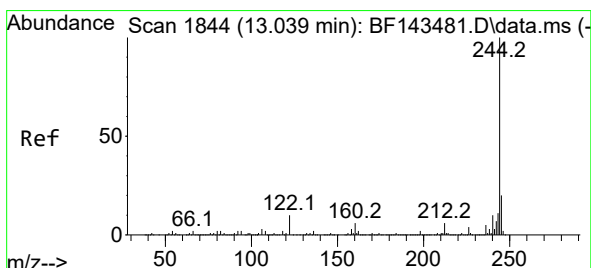
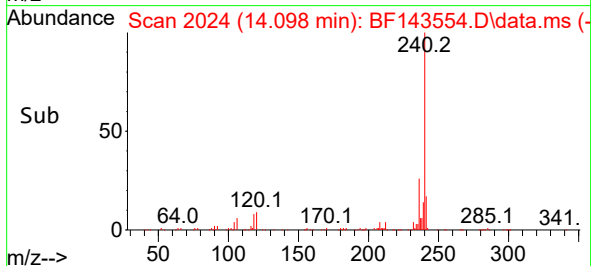
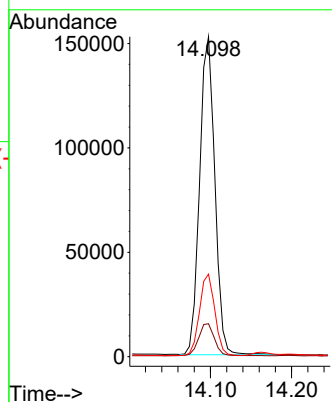
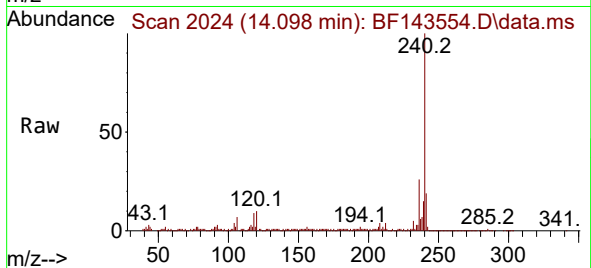
Tgt Ion:240 Resp: 198771

Ion Ratio Lower Upper

240 100

120 10.3 8.6 12.8

236 25.8 20.4 30.6



#79

Terphenyl-d14

Concen: 73.213 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143554.D

Acq: 22 Aug 2025 03:46

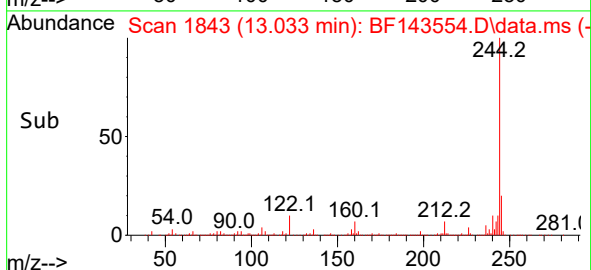
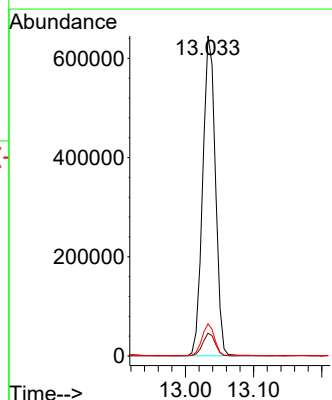
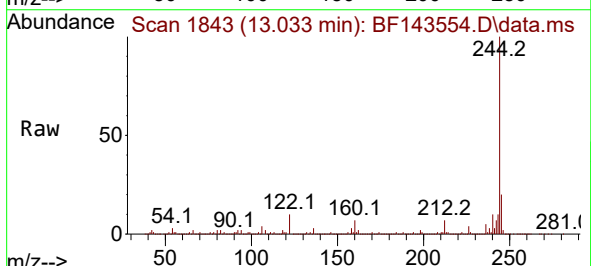
Tgt Ion:244 Resp: 833945

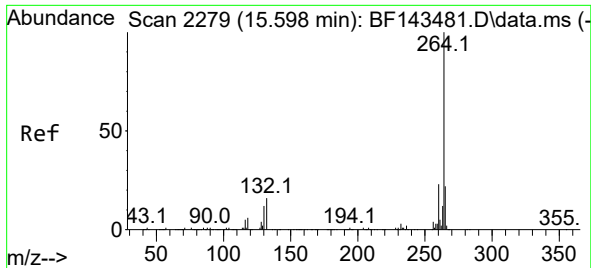
Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

122 10.0 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.598 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF143554.D
 Acq: 22 Aug 2025 03:46

Instrument :
 BNA_F
 ClientSampleId :
 MW-18A-081925

Tgt Ion:264 Resp: 217874
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 22.2 17.6 26.4

