

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143511.D
 Acq On : 21 Aug 2025 04:21
 Operator : RC/JU
 Sample : Q2900-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MN-12C-081825

Quant Time: Aug 21 04:53:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

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

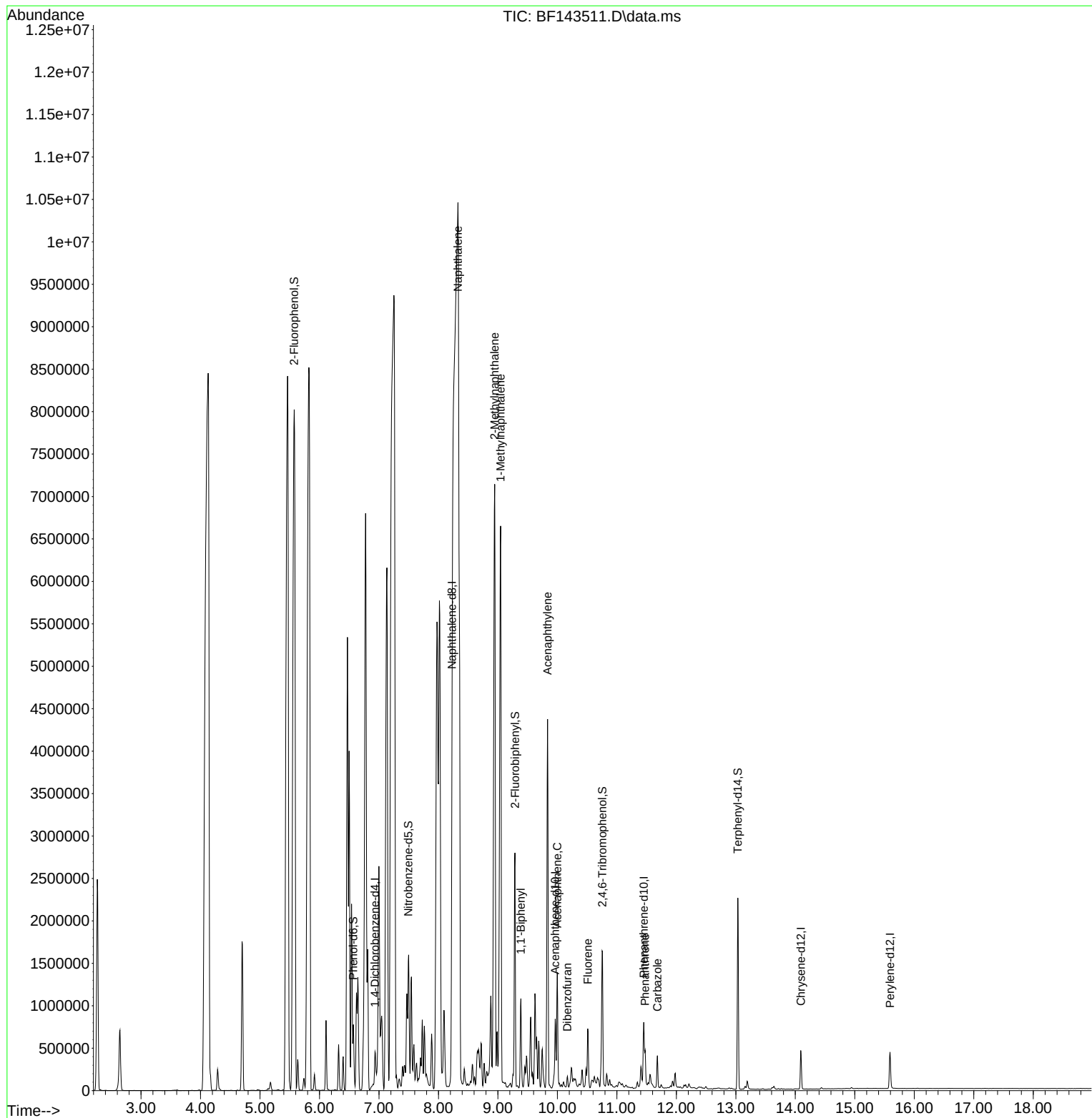
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	121876	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	165304	20.000	ng	0.02
39) Acenaphthene-d10	9.963	164	245299	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	368458	20.000	ng	0.00
76) Chrysene-d12	14.092	240	219458	20.000	ng	-0.01
86) Perylene-d12	15.592	264	260219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	231053	33.104	ng	0.01
7) Phenol-d6	6.569	99	363298	42.165	ng	0.00
23) Nitrobenzene-d5	7.493	82	697029	246.062	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	303180	132.777	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1220725	82.245	ng	0.00
79) Terphenyl-d14	13.033	244	1098890	87.379	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.328	128	27519730	3467.599	ng	# 92
37) 2-Methylnaphthalene	8.945	142	3851545	726.637	ng	99
38) 1-Methylnaphthalene	9.045	142	3109966	613.382	ng	99
46) 1,1'-Biphenyl	9.386	154	439050	25.217	ng	99
49) Acenaphthylene	9.834	152	2670938	136.548	ng	97
52) Acenaphthene	9.998	154	364427	27.440	ng	99
55) Dibenzofuran	10.169	168	64615	3.413	ng	97
58) Fluorene	10.510	166	359860	24.694	ng	98
71) Phenanthrene	11.475	178	204858	10.382	ng	99
73) Carbazole	11.680	167	204617	12.493	ng	99

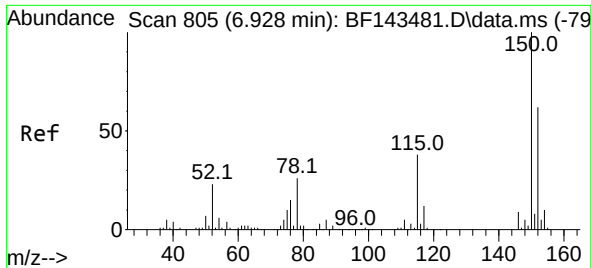
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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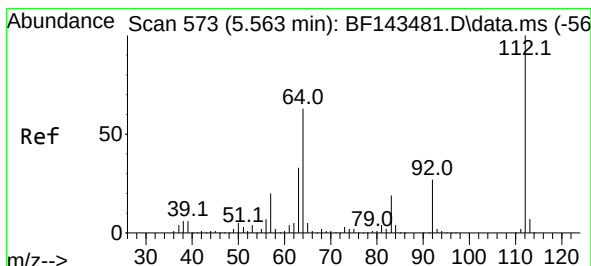
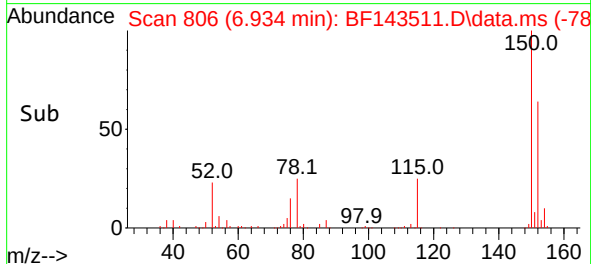
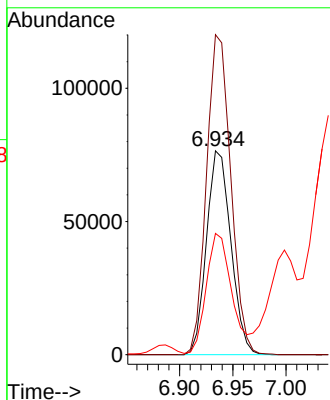
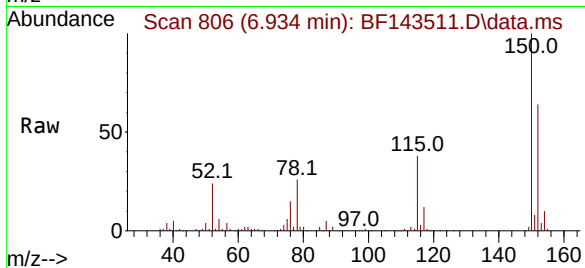




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 805
Delta R.T. 0.006 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

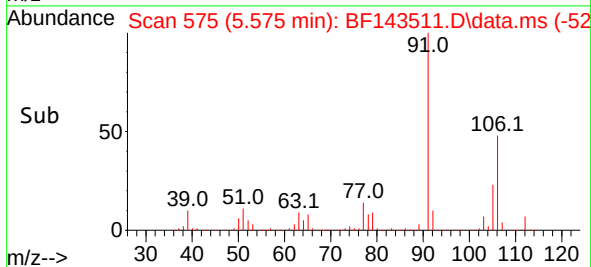
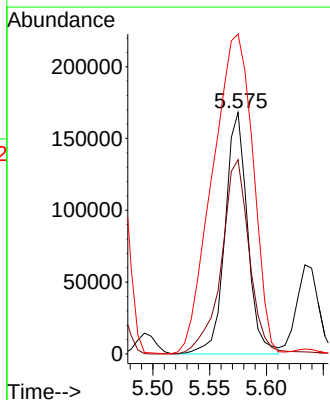
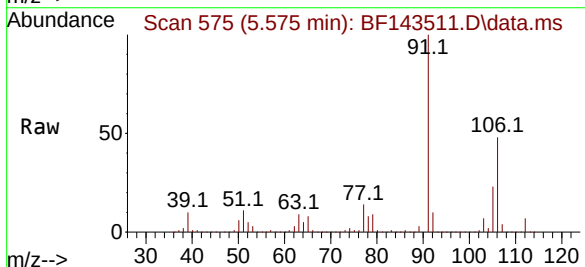
Instrument :
BNA_F
ClientSampleId :
MN-12C-081825

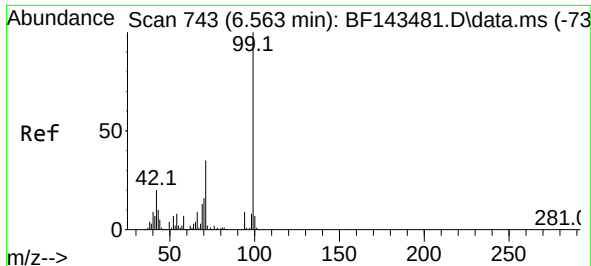
Tgt Ion:152 Resp: 121876
Ion Ratio Lower Upper
152 100
150 157.0 128.9 193.3
115 59.5 49.2 73.8



#5
2-Fluorophenol
Concen: 33.104 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

Tgt Ion:112 Resp: 231053
Ion Ratio Lower Upper
112 100
64 80.4 50.4 75.6#
63 132.5 26.4 39.6#

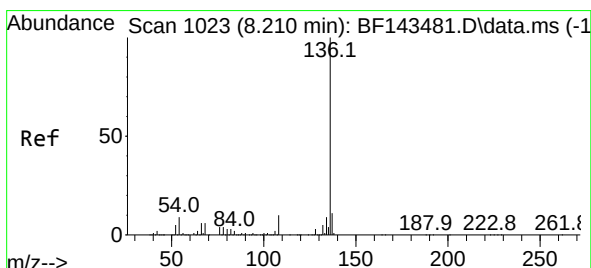
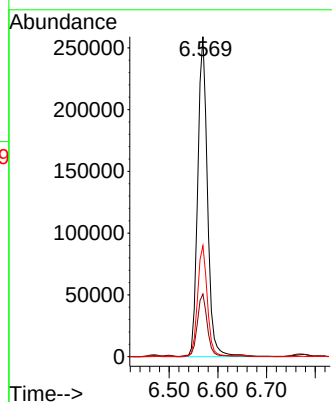
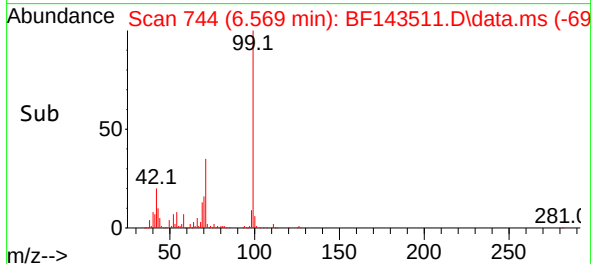
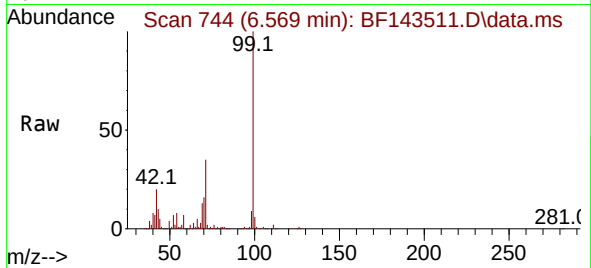




#7
Phenol-d6
Concen: 42.165 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

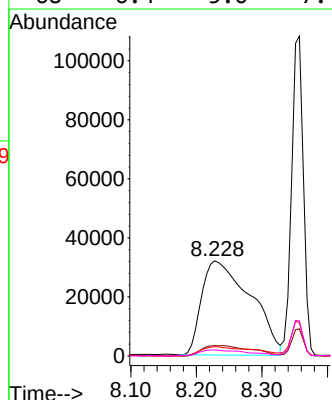
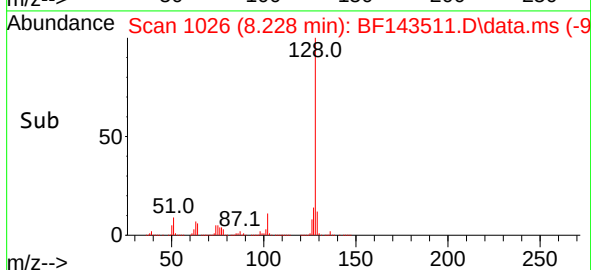
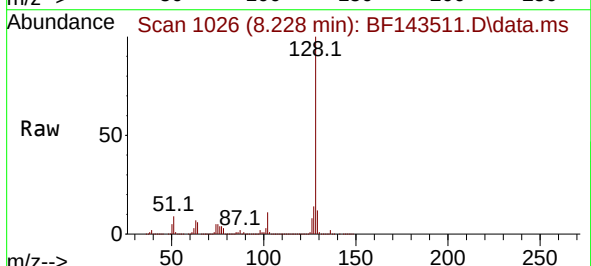
Instrument :
BNA_F
ClientSampleId :
MN-12C-081825

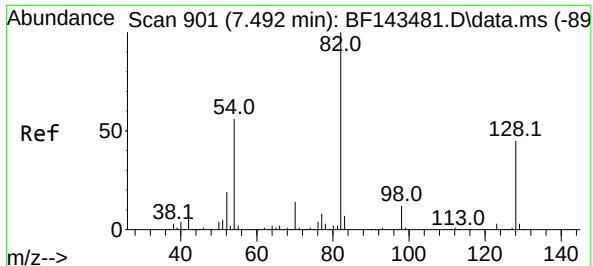
Tgt Ion: 99 Resp: 363298
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 34.7 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1026
Delta R.T. 0.018 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

Tgt Ion: 136 Resp: 165304
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.8 7.4 11.2
68 6.4 5.0 7.4

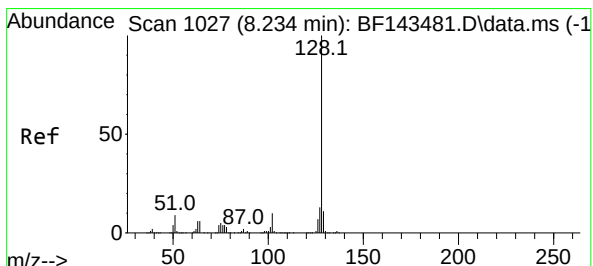
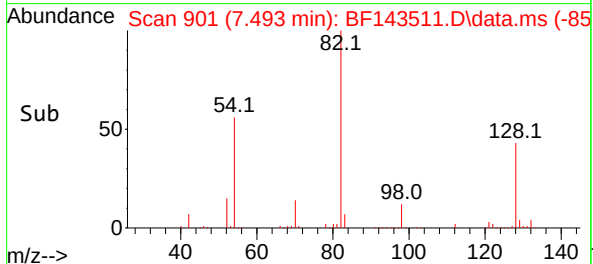
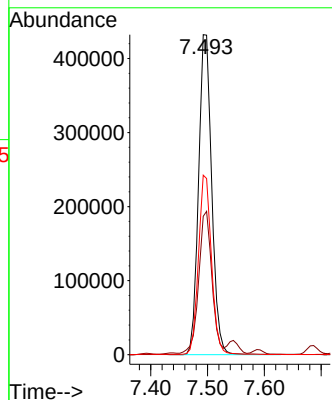
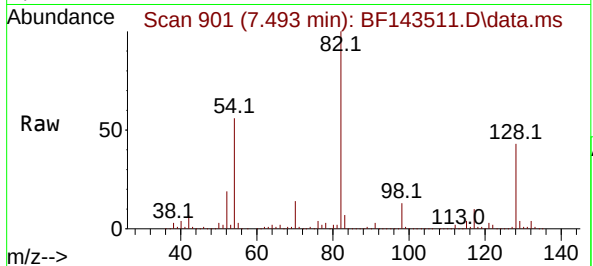




#23
Nitrobenzene-d5
Concen: 246.062 ng
RT: 7.493 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

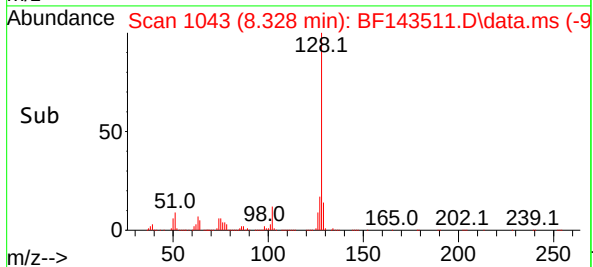
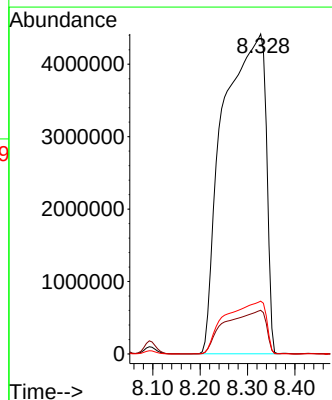
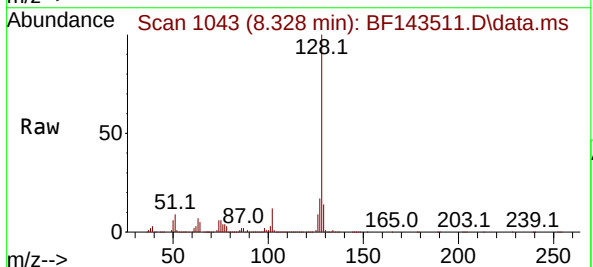
Instrument :
BNA_F
ClientSampleId :
MN-12C-081825

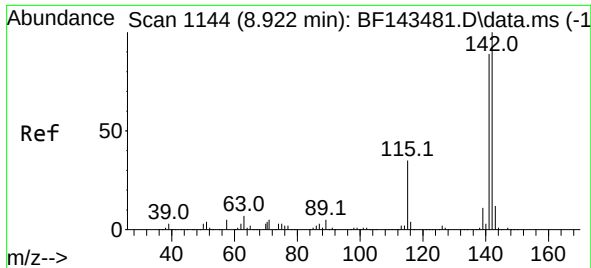
Tgt Ion: 82 Resp: 697029
Ion Ratio Lower Upper
82 100
128 43.2 35.5 53.3
54 56.1 44.3 66.5



#31
Naphthalene
Concen: 3467.599 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.094 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

Tgt Ion: 128 Resp: 27519730
Ion Ratio Lower Upper
128 100
129 13.6 8.8 13.2#
127 16.5 10.6 16.0#

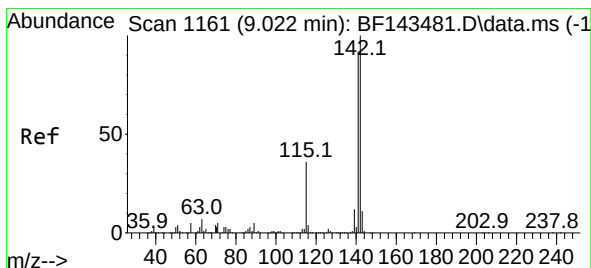
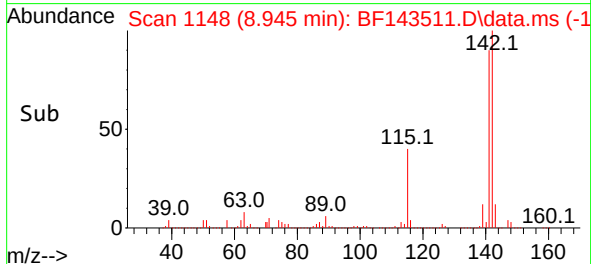
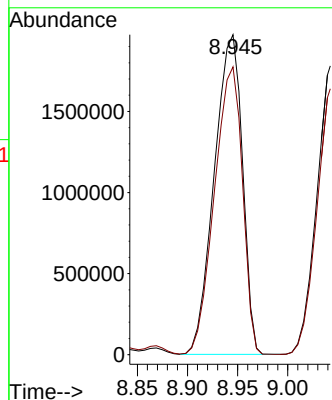
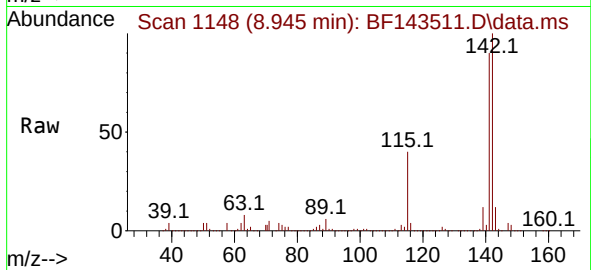




#37
2-Methylnaphthalene
Concen: 726.637 ng
RT: 8.945 min Scan# 1148
Delta R.T. 0.018 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

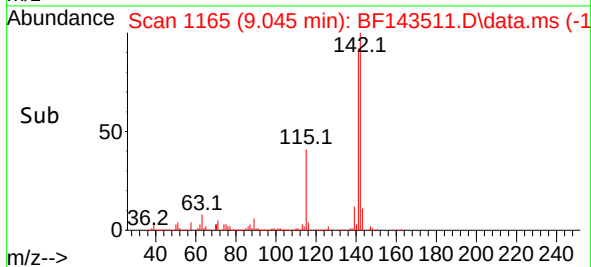
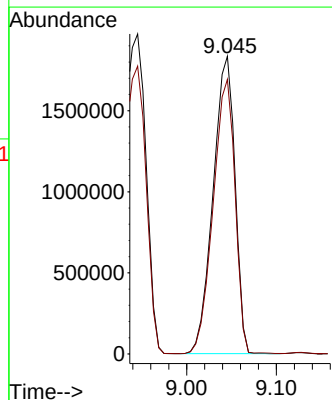
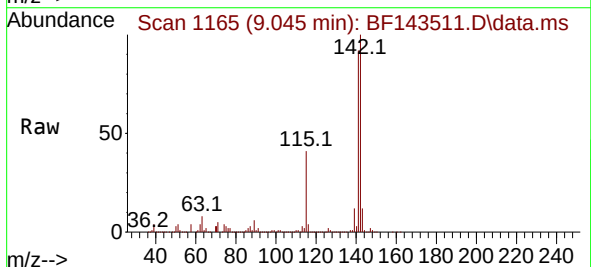
Instrument :
BNA_F
ClientSampleId :
MN-12C-081825

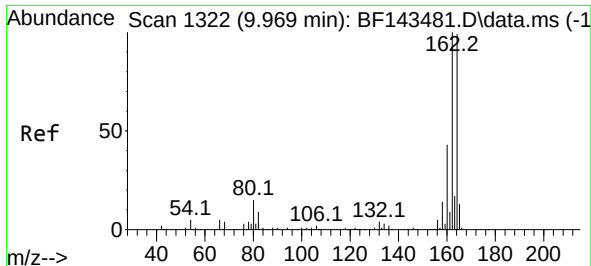
Tgt Ion:142 Resp: 3851545
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.4



#38
1-Methylnaphthalene
Concen: 613.382 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.018 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

Tgt Ion:142 Resp: 3109966
Ion Ratio Lower Upper
142 100
141 92.2 73.3 109.9

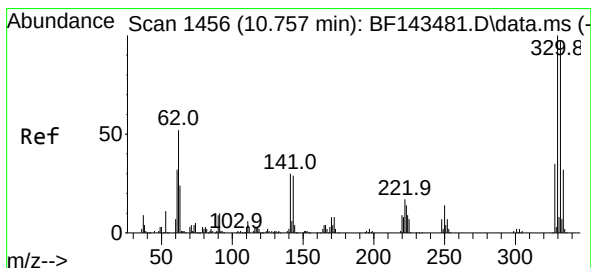
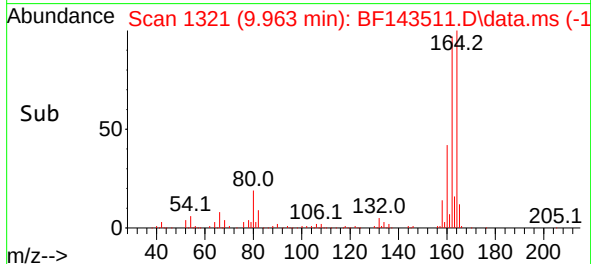
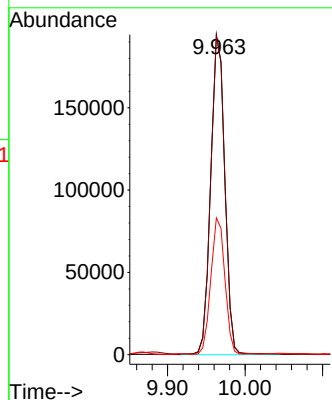
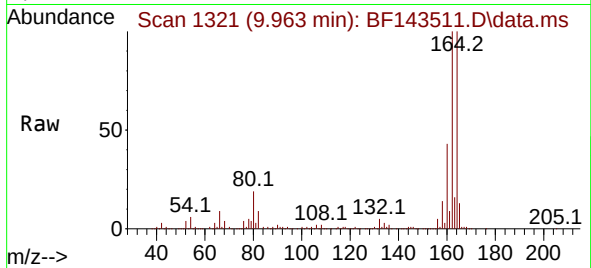




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

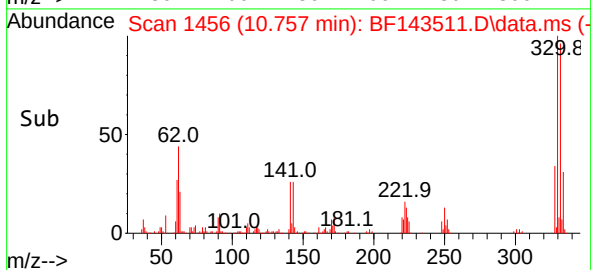
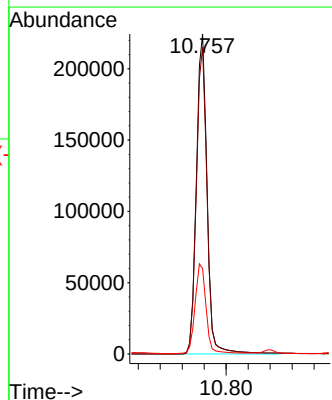
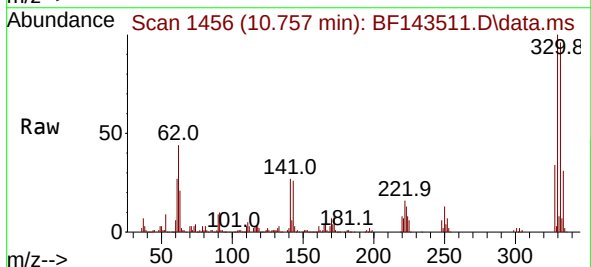
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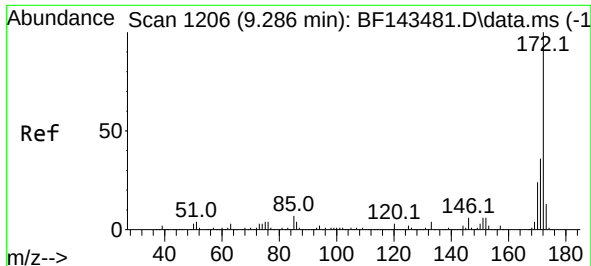
Tgt Ion:164 Resp: 245299
Ion Ratio Lower Upper
164 100
162 99.7 80.5 120.7
160 42.7 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 132.777 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

Tgt Ion:330 Resp: 303180
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 28.9 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 82.245 ng

RT: 9.287 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143511.D

Acq: 21 Aug 2025 04:21

Instrument :

BNA_F

ClientSampleId :

MN-12C-081825

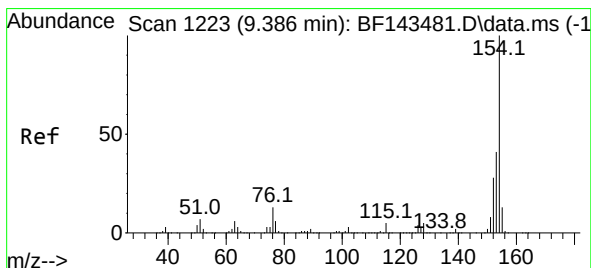
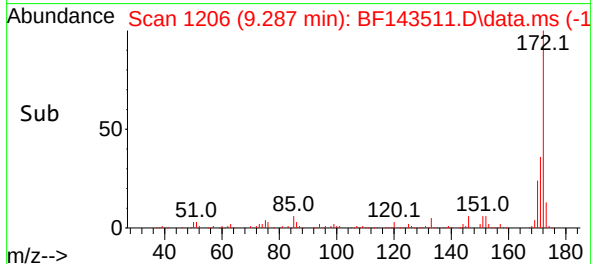
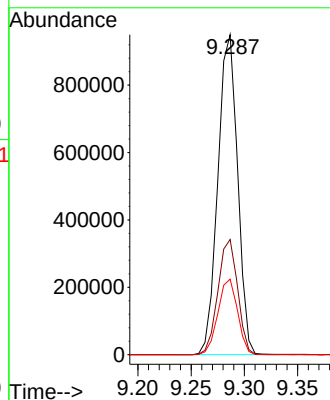
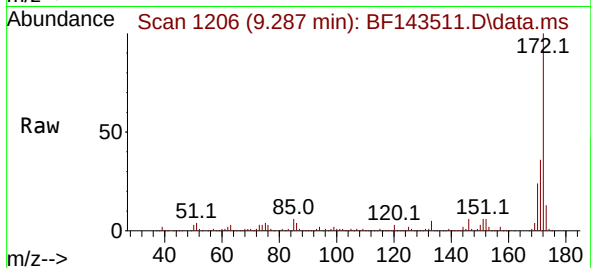
Tgt Ion:172 Resp: 1220725

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 25.217 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143511.D

Acq: 21 Aug 2025 04:21

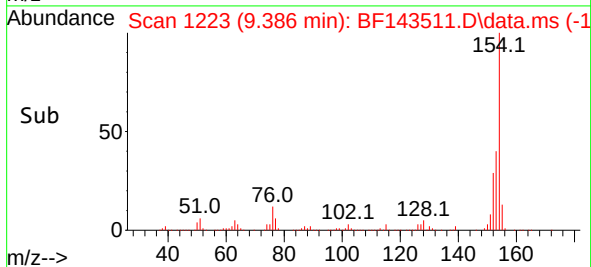
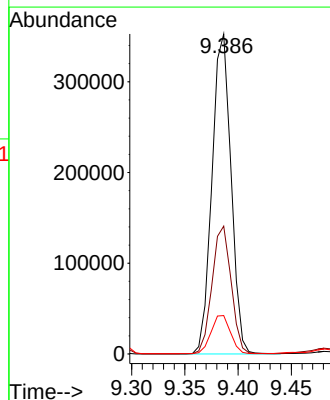
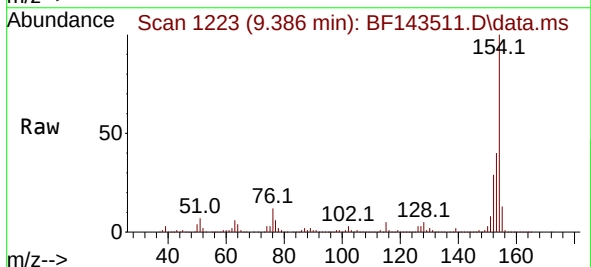
Tgt Ion:154 Resp: 439050

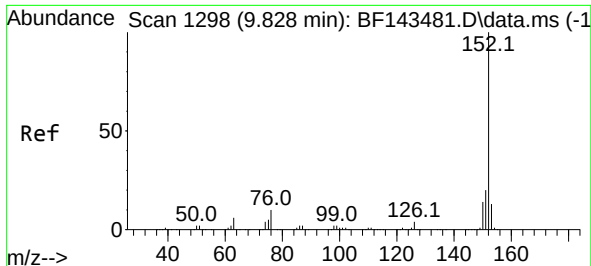
Ion Ratio Lower Upper

154 100

153 40.0 20.6 60.6

76 12.0 0.0 33.0





#49

Acenaphthylene

Concen: 136.548 ng

RT: 9.834 min Scan# 1299

Delta R.T. 0.006 min

Lab File: BF143511.D

Acq: 21 Aug 2025 04:21

Instrument :

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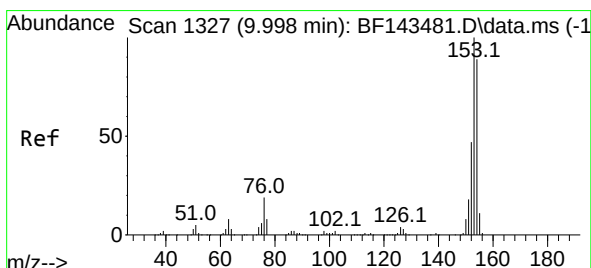
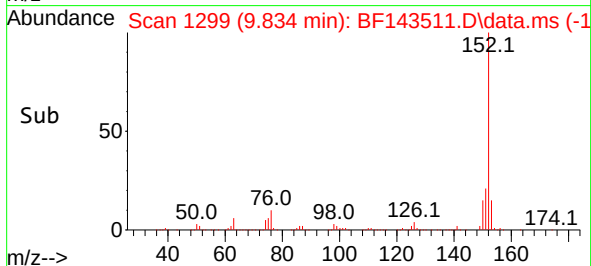
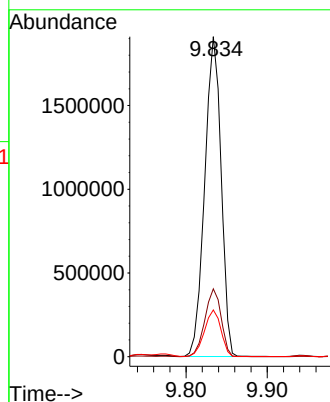
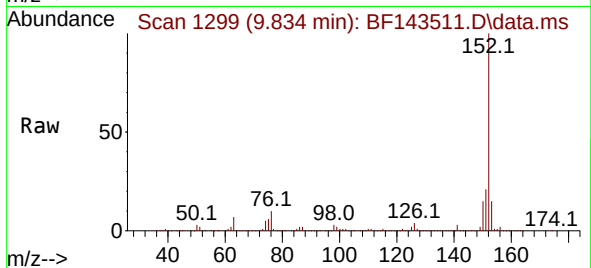
Tgt Ion:152 Resp: 2670938

Ion Ratio Lower Upper

152 100

151 21.2 16.2 24.4

153 14.6 10.6 15.8



#52

Acenaphthene

Concen: 27.440 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF143511.D

Acq: 21 Aug 2025 04:21

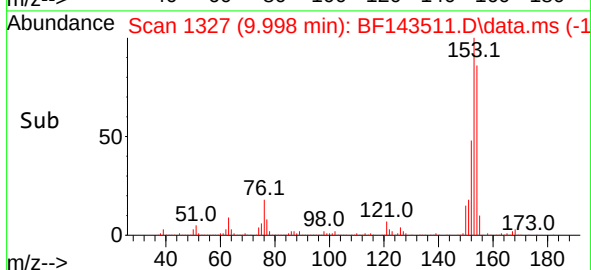
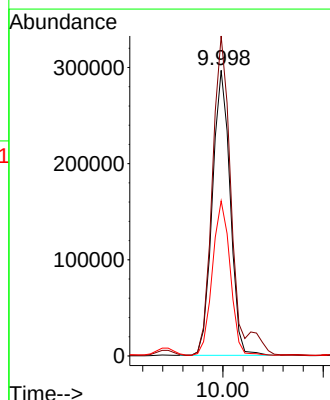
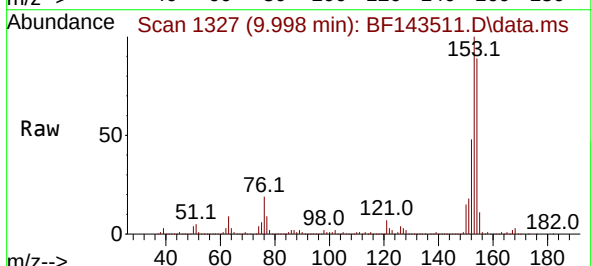
Tgt Ion:154 Resp: 364427

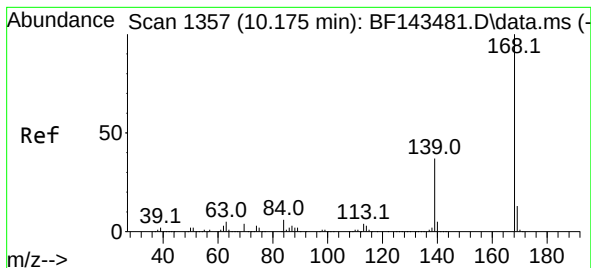
Ion Ratio Lower Upper

154 100

153 112.0 89.5 134.3

152 54.3 42.5 63.7





#55

Dibenzenofuran

Concen: 3.413 ng

RT: 10.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143511.D

Acq: 21 Aug 2025 04:21

Instrument :

BNA_F

ClientSampleId :

MN-12C-081825

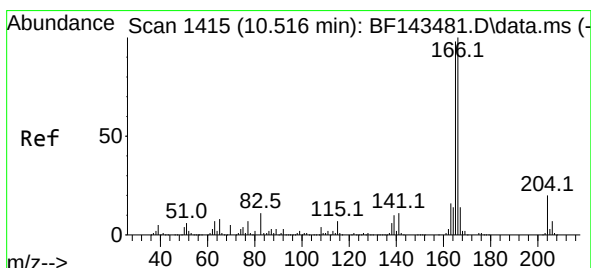
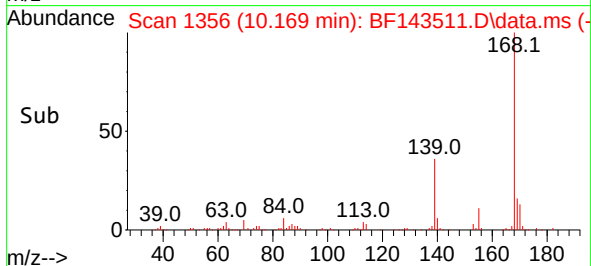
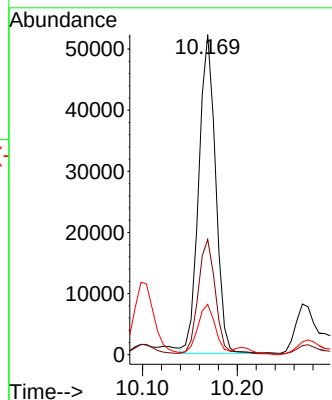
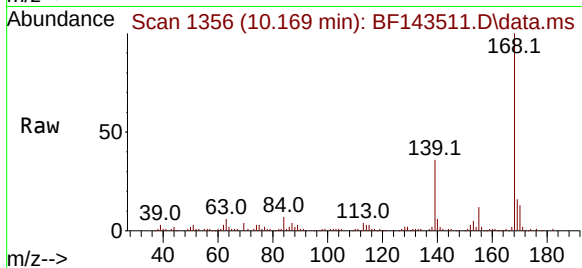
Tgt Ion:168 Resp: 64615

Ion Ratio Lower Upper

168 100

139 36.0 29.8 44.6

169 15.7 10.8 16.2



#58

Fluorene

Concen: 24.694 ng

RT: 10.510 min Scan# 1414

Delta R.T. -0.012 min

Lab File: BF143511.D

Acq: 21 Aug 2025 04:21

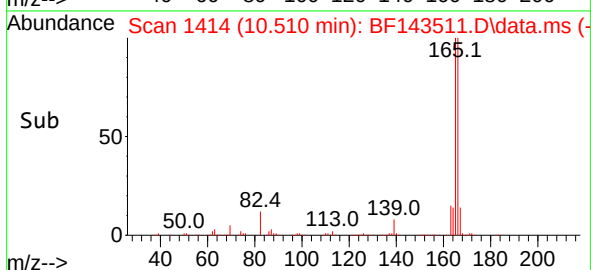
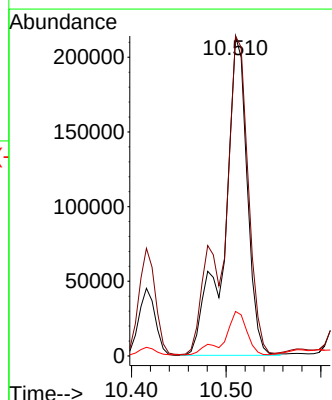
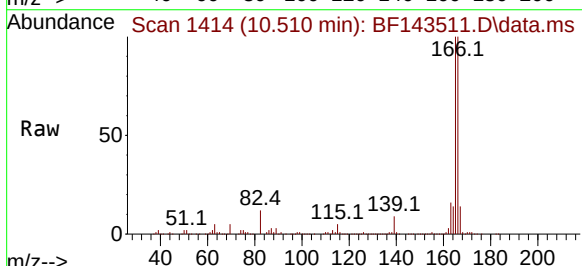
Tgt Ion:166 Resp: 359860

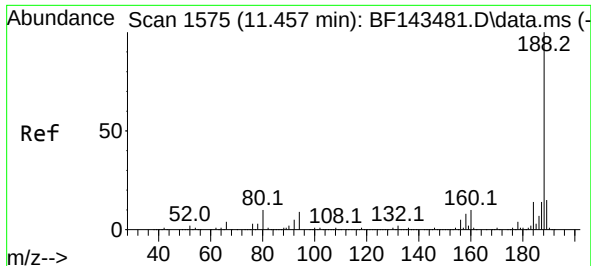
Ion Ratio Lower Upper

166 100

165 100.0 78.3 117.5

167 13.9 11.0 16.4

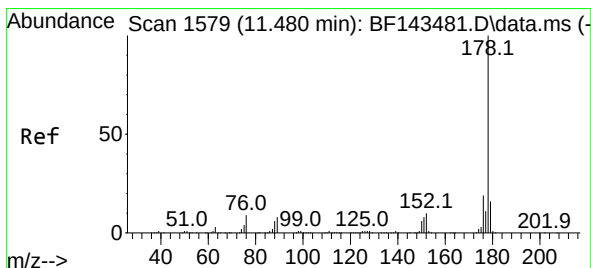
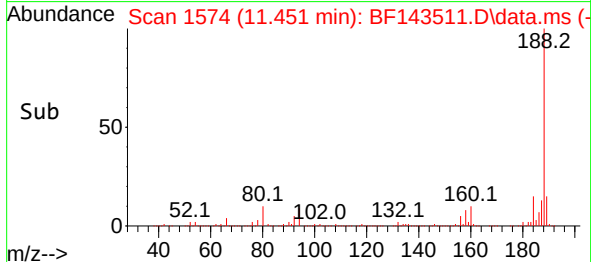
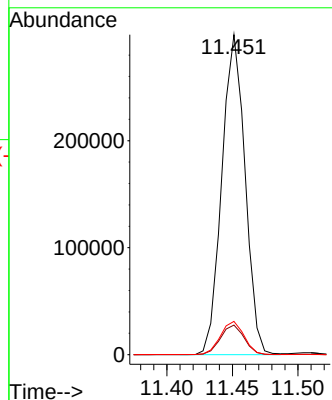
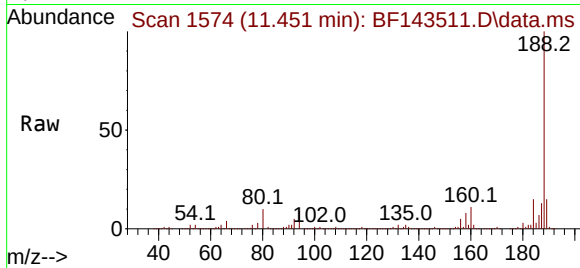




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

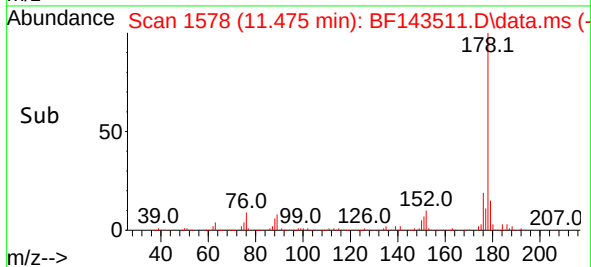
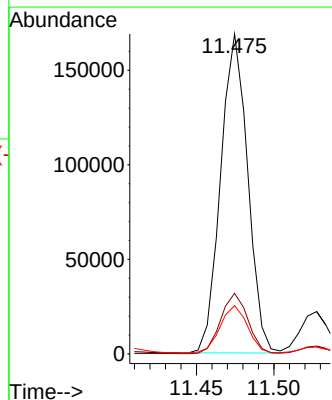
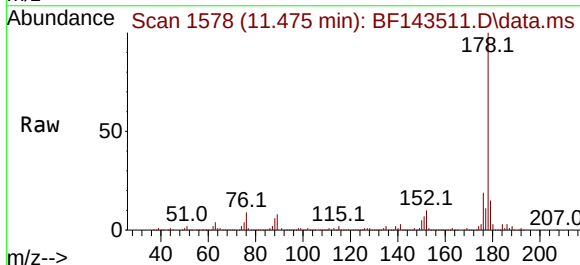
Instrument :
BNA_F
ClientSampleId :
MN-12C-081825

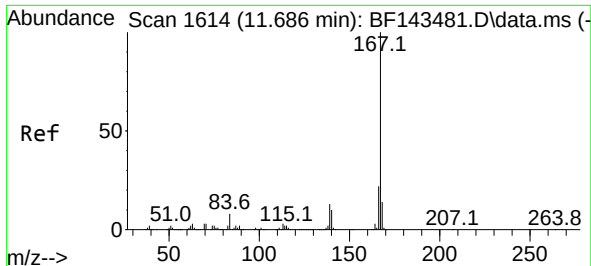
Tgt Ion:188 Resp: 368458
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.4 8.2 12.4



#71
Phenanthrene
Concen: 10.382 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143511.D
Acq: 21 Aug 2025 04:21

Tgt Ion:178 Resp: 204858
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.1 12.5 18.7

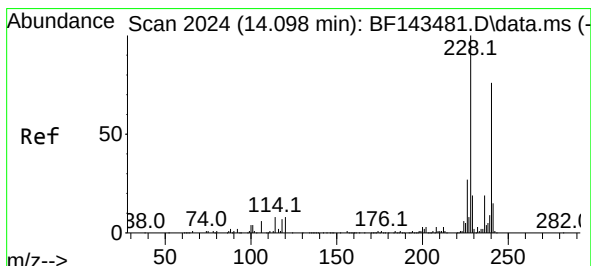
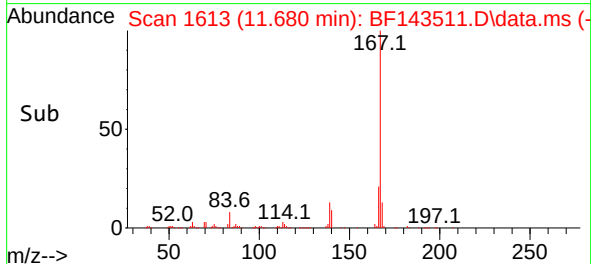
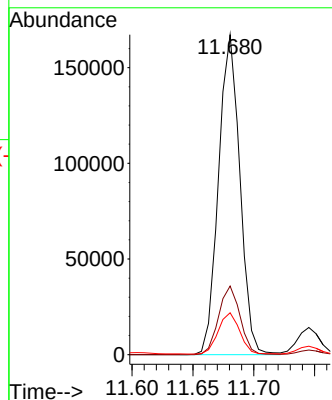
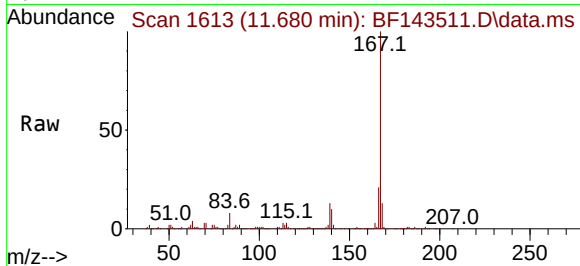




#73
 Carbazole
 Concen: 12.493 ng
 RT: 11.680 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF143511.D
 Acq: 21 Aug 2025 04:21

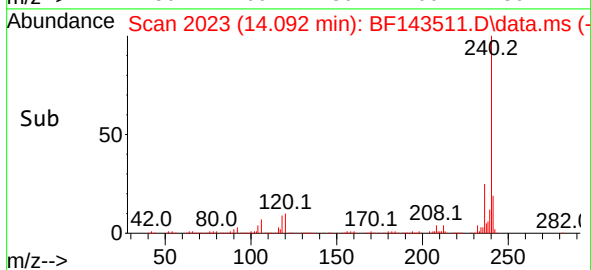
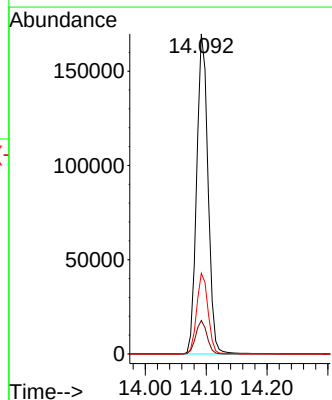
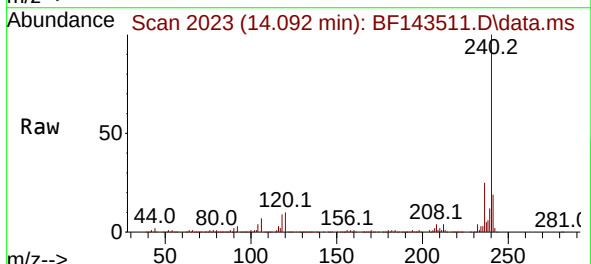
Instrument :
 BNA_F
 ClientSampleId :
 MN-12C-081825

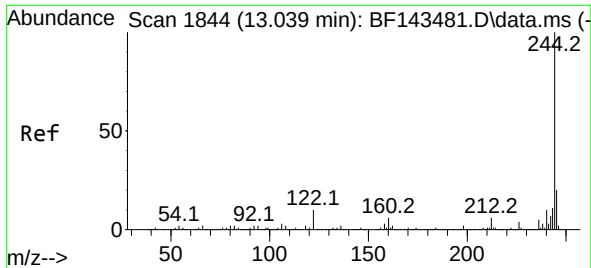
Tgt Ion:167 Resp: 204617
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 13.1 10.0 15.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.092 min Scan# 2023
 Delta R.T. -0.012 min
 Lab File: BF143511.D
 Acq: 21 Aug 2025 04:21

Tgt Ion:240 Resp: 219458
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.6 12.8
 236 25.2 20.4 30.6

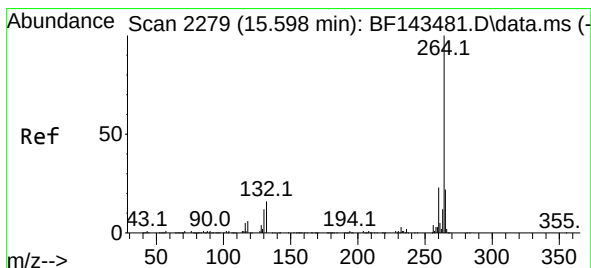
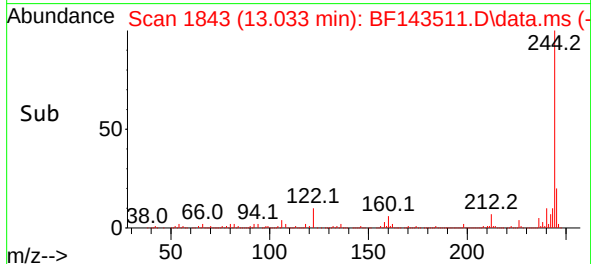
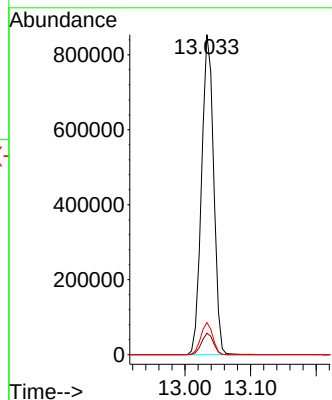
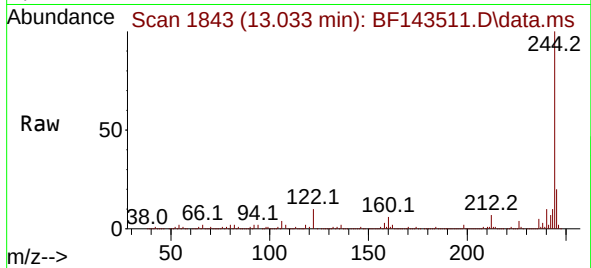




#79
 Terphenyl-d14
 Concen: 87.379 ng
 RT: 13.033 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF143511.D
 Acq: 21 Aug 2025 04:21

Instrument :
 BNA_F
 ClientSampleId :
 MN-12C-081825

Tgt Ion:244 Resp: 1098890
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.0 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: BF143511.D
 Acq: 21 Aug 2025 04:21

Tgt Ion:264 Resp: 260219
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.2 17.6 26.4

