

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143506.D
 Acq On : 21 Aug 2025 01:56
 Operator : RC/JU
 Sample : Q2819-15
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 17M-N

Quant Time: Aug 21 02:50:14 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	6.928	152	139750	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	529192	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	290910	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	438066	20.000	ng	0.00
76) Chrysene-d12	14.098	240	243885	20.000	ng	0.00
86) Perylene-d12	15.592	264	298964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	617737	77.186	ng	0.00
7) Phenol-d6	6.557	99	793417	80.309	ng	-0.02
23) Nitrobenzene-d5	7.481	82	517428	57.058	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	206516	76.263	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	899741	51.115	ng	0.00
79) Terphenyl-d14	13.033	244	661572	47.337	ng	0.00

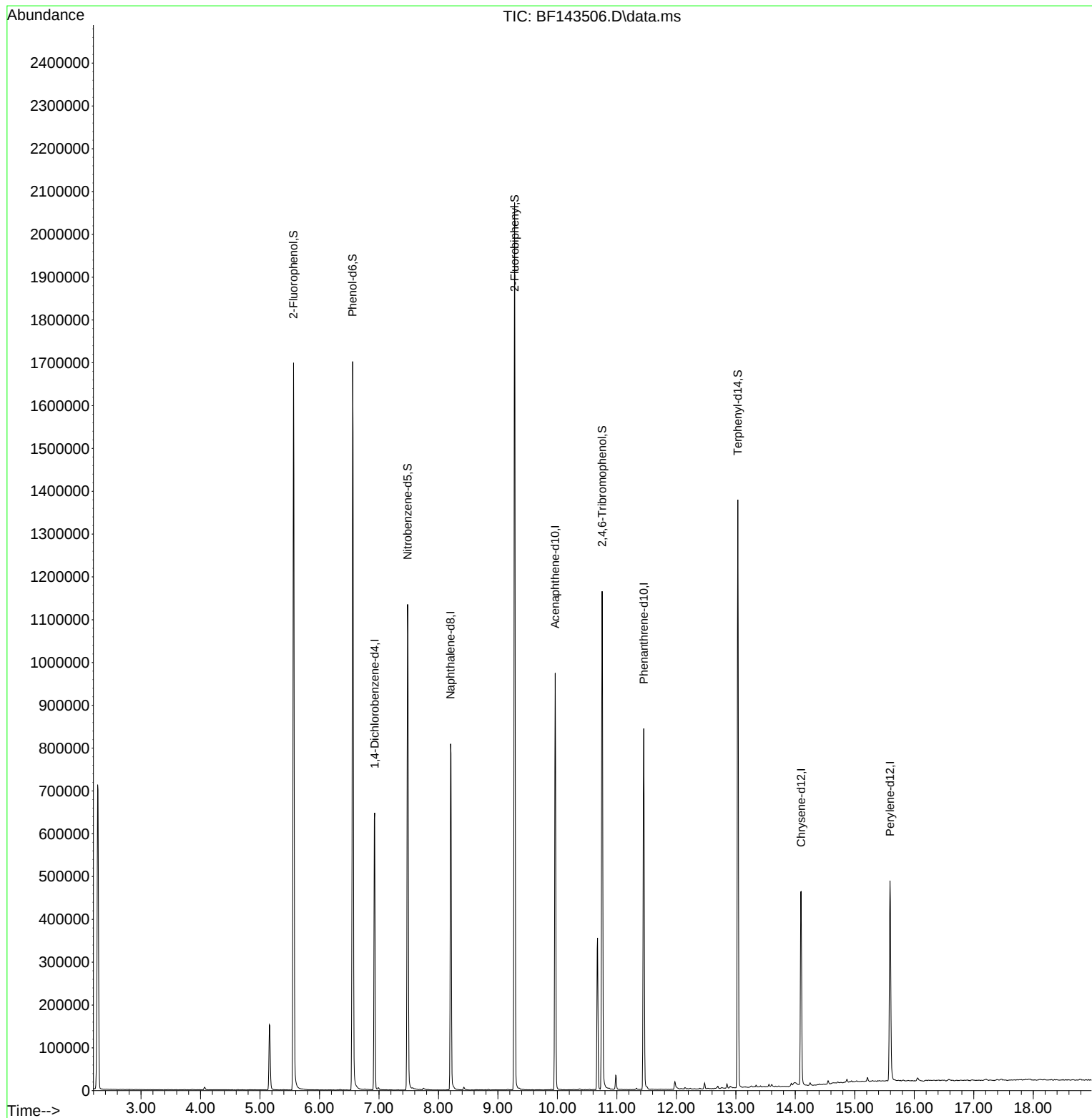
Target Compounds	Qvalue

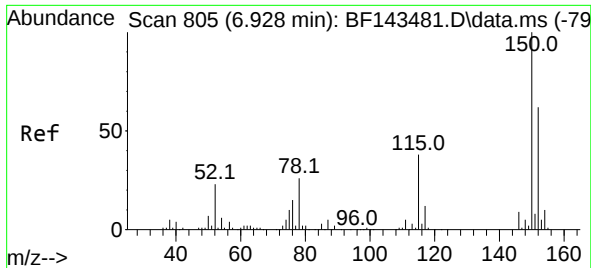
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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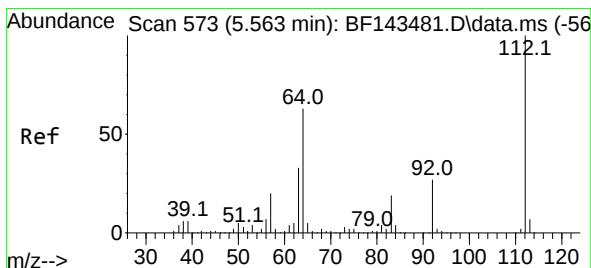
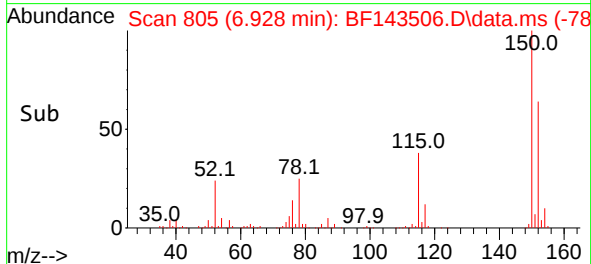
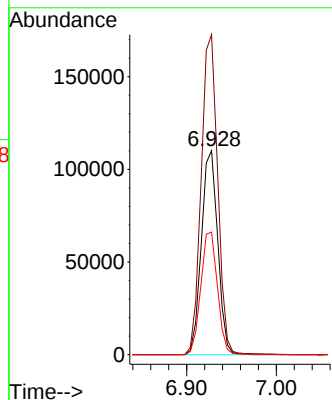
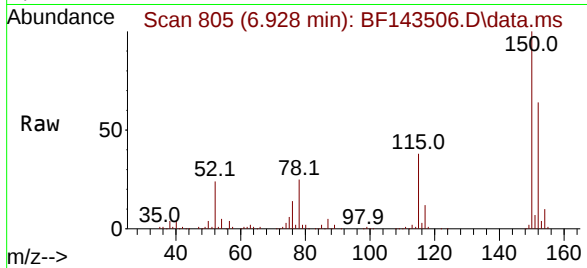




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

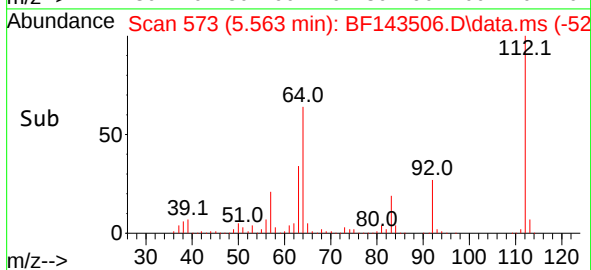
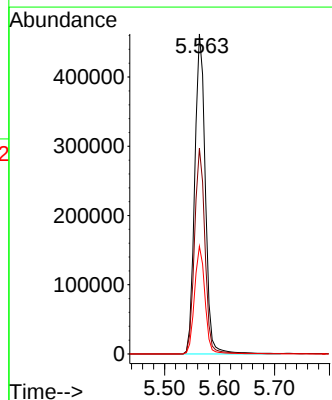
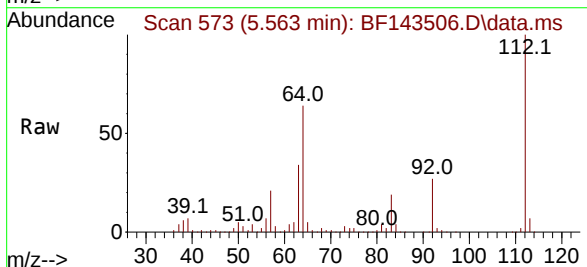
Instrument :
BNA_F
ClientSampleId :
17M-N

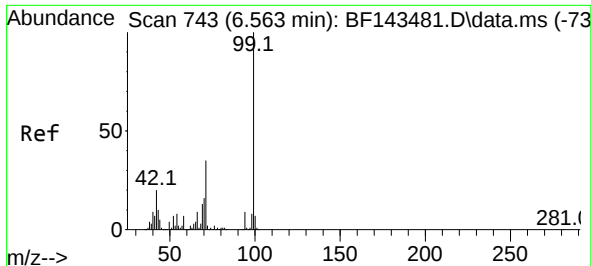
Tgt Ion:152 Resp: 139750
Ion Ratio Lower Upper
152 100
150 156.9 128.9 193.3
115 60.1 49.2 73.8



#5
2-Fluorophenol
Concen: 77.186 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Tgt Ion:112 Resp: 617737
Ion Ratio Lower Upper
112 100
64 64.3 50.4 75.6
63 33.6 26.4 39.6

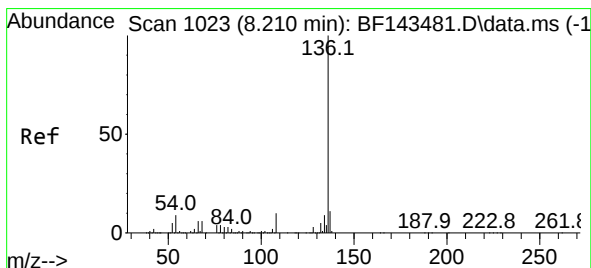
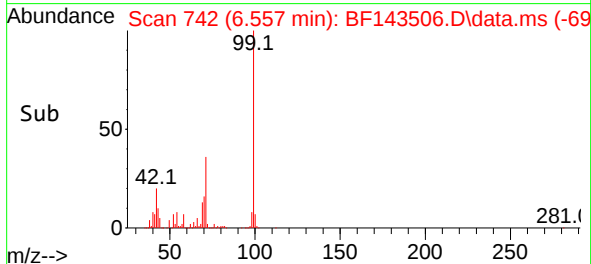
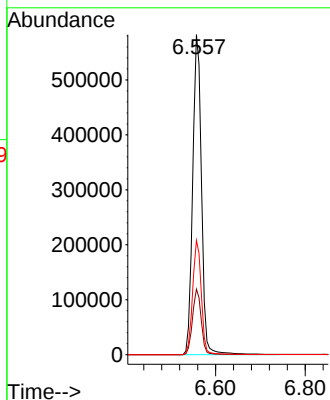
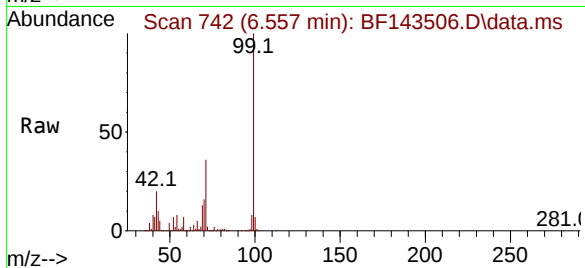




#7
Phenol-d6
Concen: 80.309 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

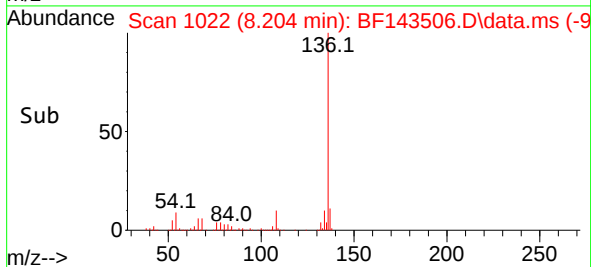
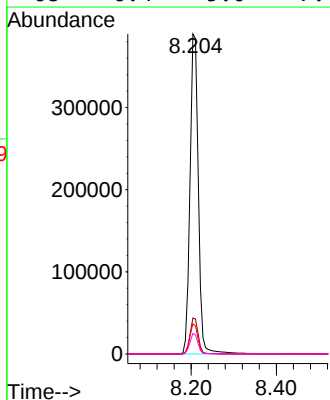
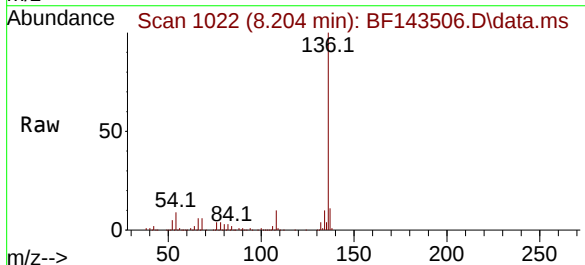
Instrument :
BNA_F
ClientSampleId :
17M-N

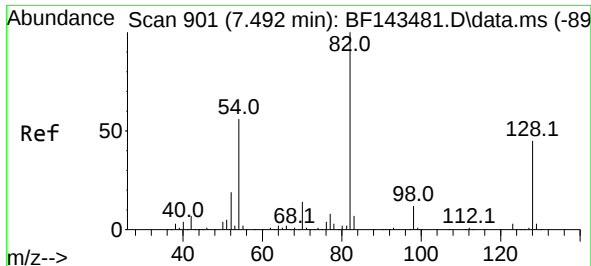
Tgt Ion: 99 Resp: 793417
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 35.7 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Tgt Ion: 136 Resp: 529192
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 9.5 7.4 11.2
68 6.4 5.0 7.4

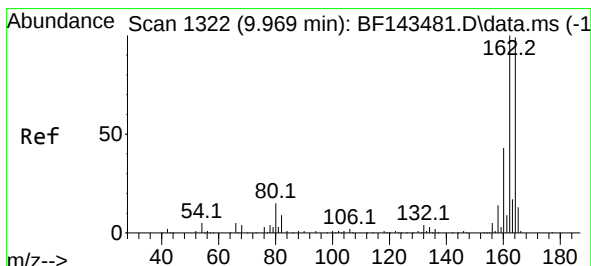
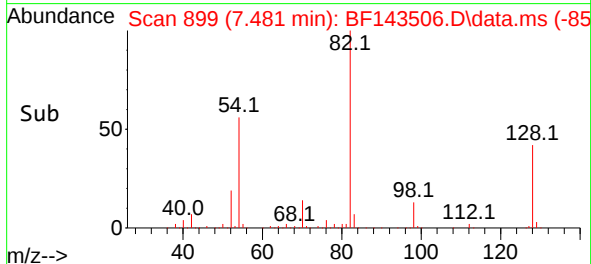
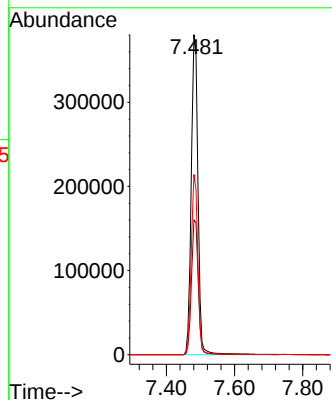
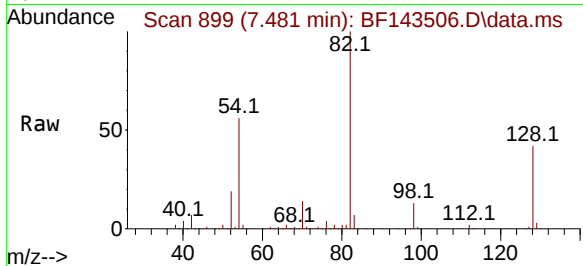




#23
 Nitrobenzene-d5
 Concen: 57.058 ng
 RT: 7.481 min Scan# 89
 Delta R.T. -0.018 min
 Lab File: BF143506.D
 Acq: 21 Aug 2025 01:56

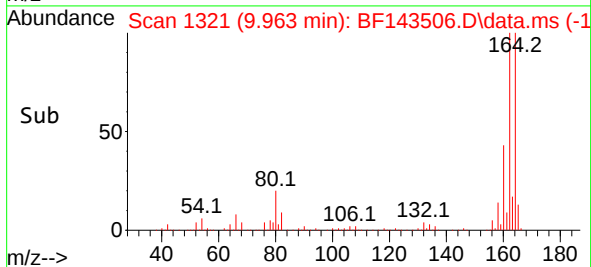
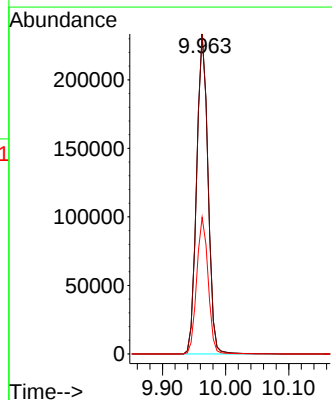
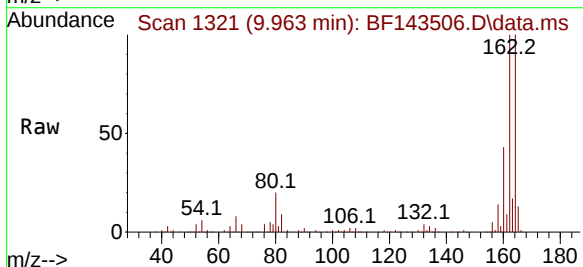
Instrument :
 BNA_F
 ClientSampleId :
 17M-N

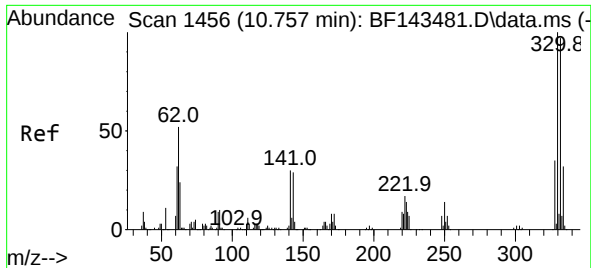
Tgt Ion: 82 Resp: 517428
 Ion Ratio Lower Upper
 82 100
 128 42.1 35.5 53.3
 54 56.3 44.3 66.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.963 min Scan# 1321
 Delta R.T. -0.006 min
 Lab File: BF143506.D
 Acq: 21 Aug 2025 01:56

Tgt Ion:164 Resp: 290910
 Ion Ratio Lower Upper
 164 100
 162 100.0 80.5 120.7
 160 42.7 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 76.263 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF143506.D

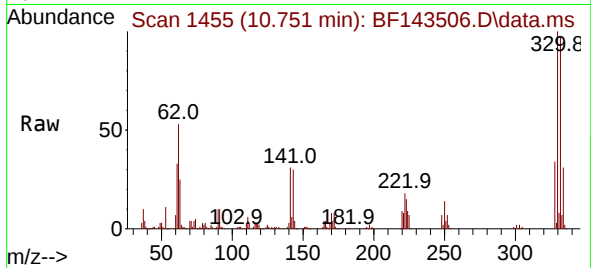
Acq: 21 Aug 2025 01:56

Instrument :

BNA_F

ClientSampleId :

17M-N



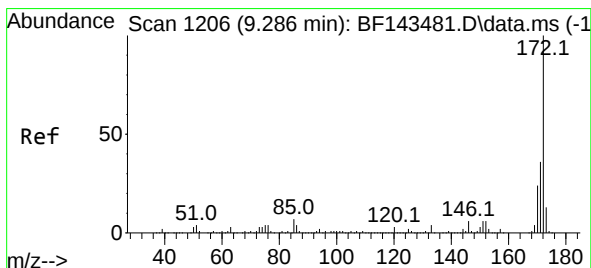
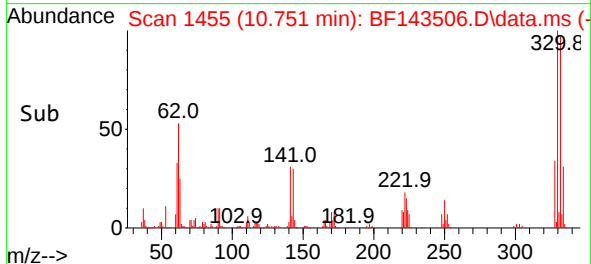
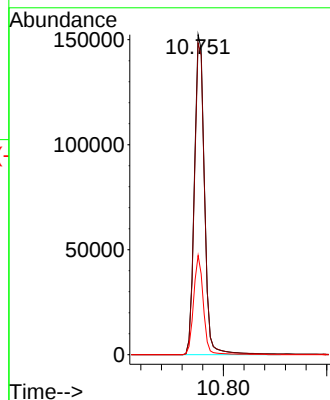
Tgt Ion:330 Resp: 206516

Ion Ratio Lower Upper

330 100

332 97.7 78.0 117.0

141 30.0 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 51.115 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143506.D

Acq: 21 Aug 2025 01:56

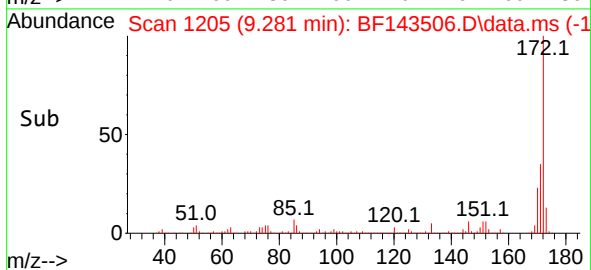
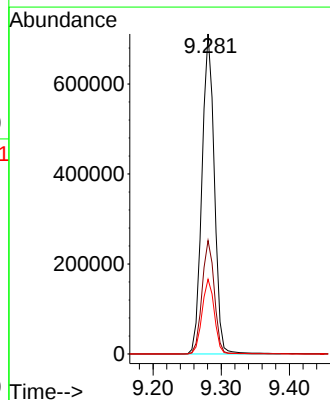
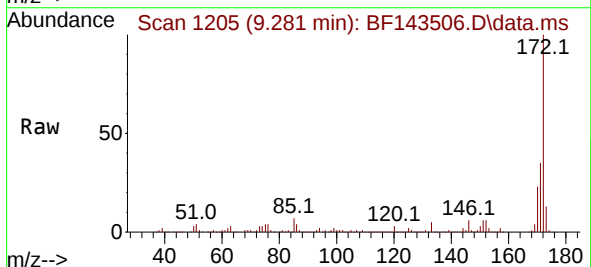
Tgt Ion:172 Resp: 899741

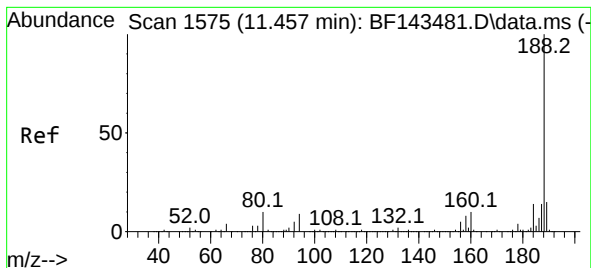
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.4 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: BF143506.D

Acq: 21 Aug 2025 01:56

Instrument :

BNA_F

ClientSampleId :

17M-N

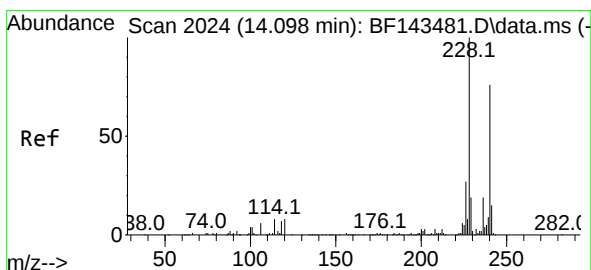
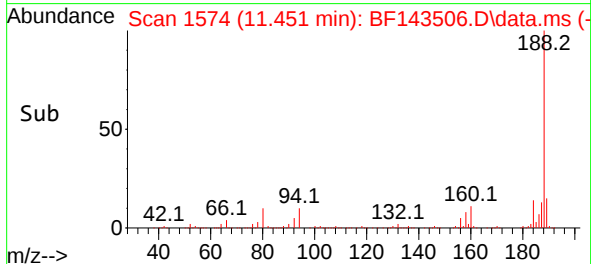
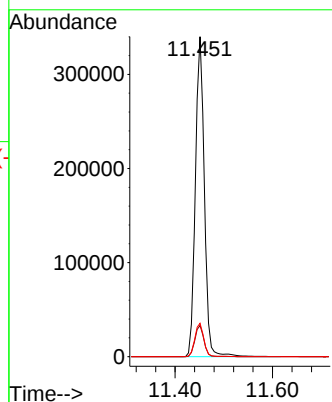
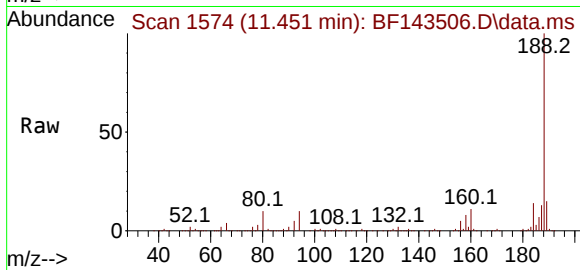
Tgt Ion:188 Resp: 438066

Ion Ratio Lower Upper

188 100

94 9.8 7.4 11.2

80 10.4 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF143506.D

Acq: 21 Aug 2025 01:56

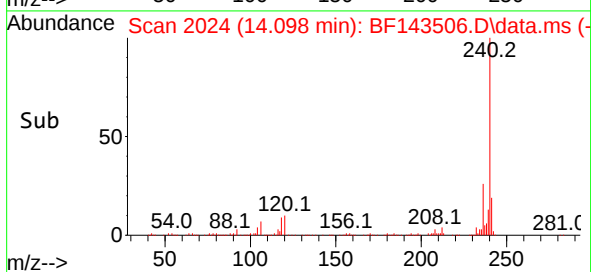
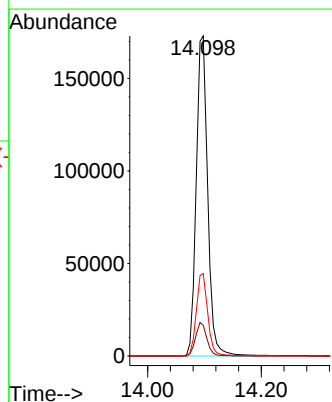
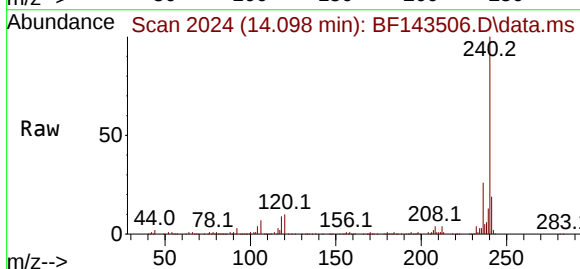
Tgt Ion:240 Resp: 243885

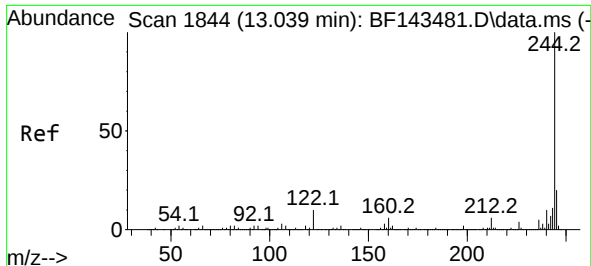
Ion Ratio Lower Upper

240 100

120 9.6 8.6 12.8

236 25.8 20.4 30.6

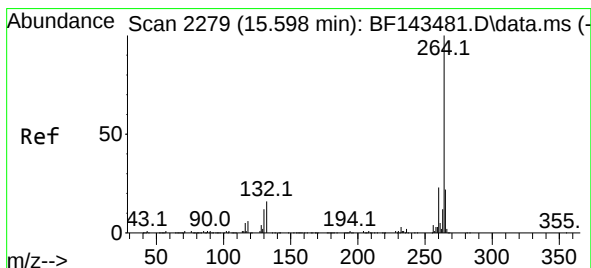
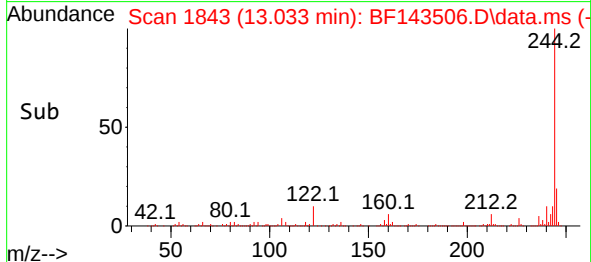
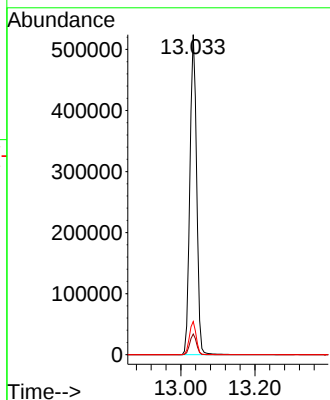
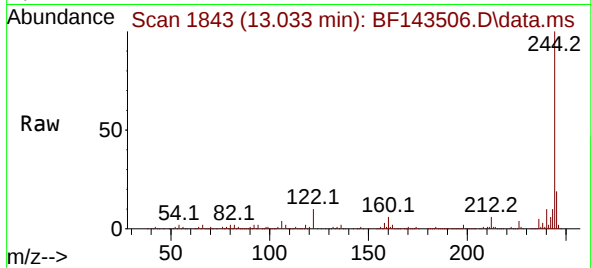




#79
 Terphenyl-d14
 Concen: 47.337 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143506.D
 Acq: 21 Aug 2025 01:56

Instrument :
 BNA_F
 ClientSampleId :
 17M-N

Tgt Ion:244 Resp: 661572
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.3 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: BF143506.D
 Acq: 21 Aug 2025 01:56

Tgt Ion:264 Resp: 298964
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.6 17.6 26.4

