

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061825\
Data File : BF142778.D
Acq On : 18 Jun 2025 14:49
Operator : RC/JU
Sample : Q2333-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-11

Quant Time: Jun 18 15:12:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	72977	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	285294	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	155201	20.000	ng	-0.02
64) Phenanthrene-d10	11.410	188	263148	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	182331	20.000	ng	-0.01
86) Perylene-d12	15.545	264	179027	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	320480	74.794	ng	0.00
7) Phenol-d6	6.504	99	243127	48.214	ng	-0.02
23) Nitrobenzene-d5	7.445	82	476792	91.463	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	242125	142.344	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	992238	84.938	ng	-0.01
79) Terphenyl-d14	12.998	244	906241	68.264	ng	-0.01

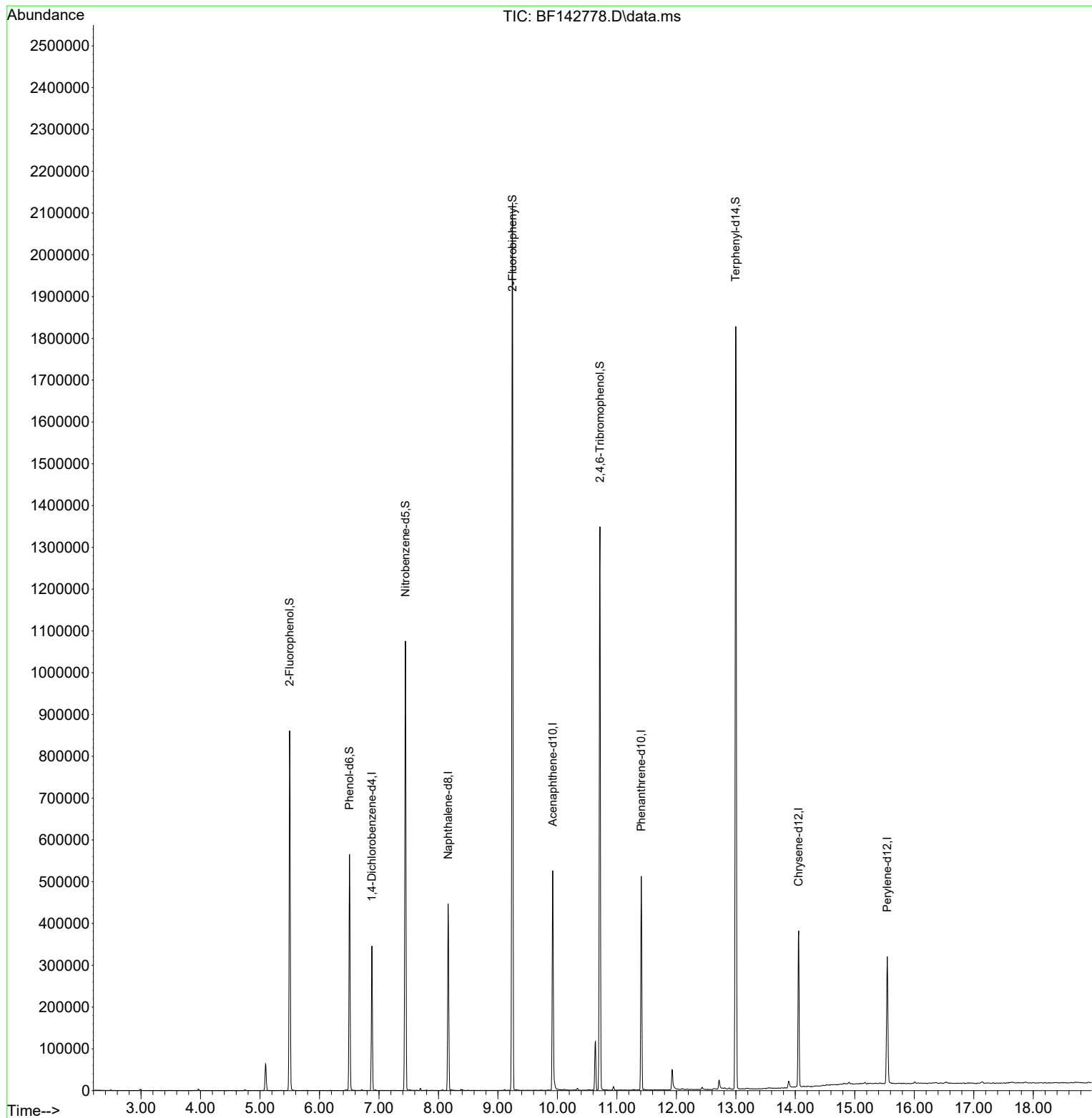
Target Compounds	Qvalue

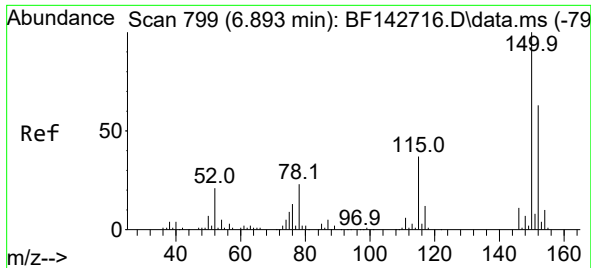
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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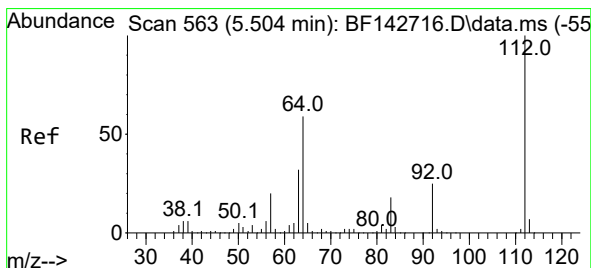
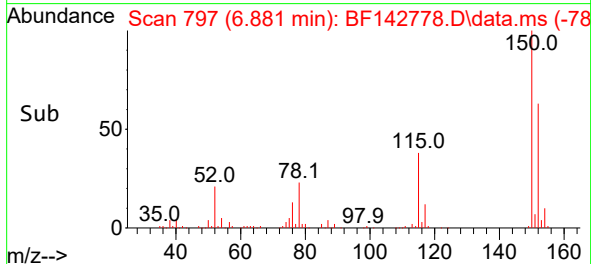
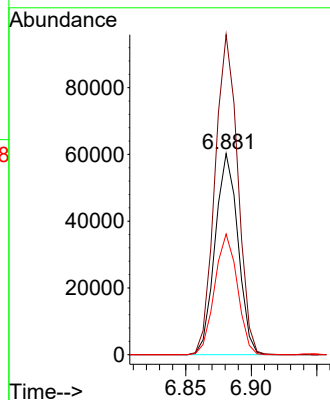
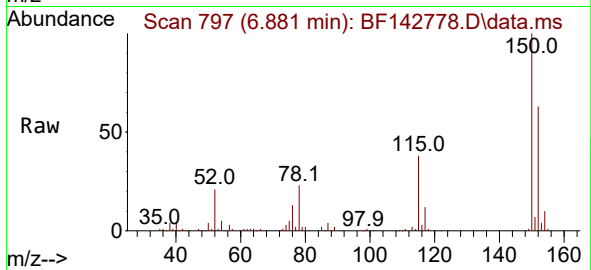




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142778.D
Acq: 18 Jun 2025 14:49

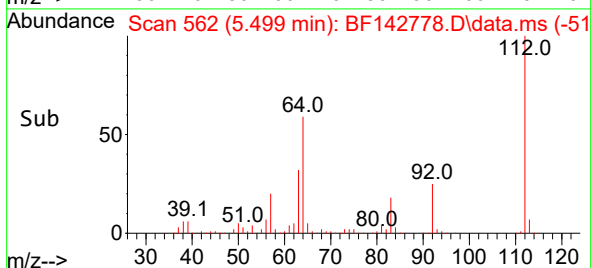
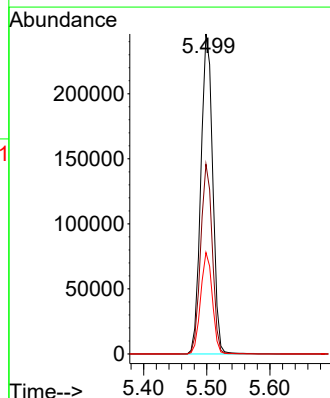
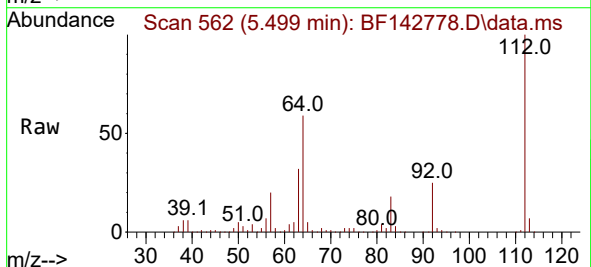
Instrument :
BNA_F
ClientSampleId :
MW-11

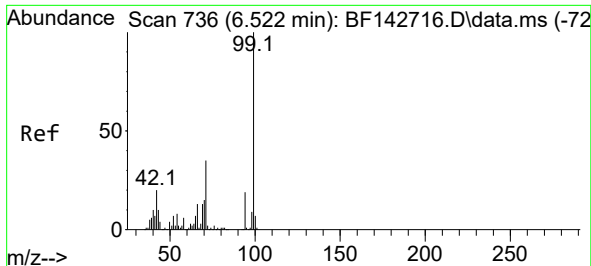
Tgt Ion:152 Resp: 72977
Ion Ratio Lower Upper
152 100
150 159.1 126.9 190.3
115 60.0 47.0 70.6



#5
2-Fluorophenol
Concen: 74.794 ng
RT: 5.499 min Scan# 562
Delta R.T. -0.005 min
Lab File: BF142778.D
Acq: 18 Jun 2025 14:49

Tgt Ion:112 Resp: 320480
Ion Ratio Lower Upper
112 100
64 59.3 47.4 71.2
63 31.7 25.4 38.0

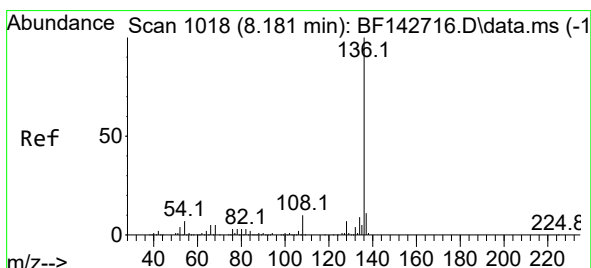
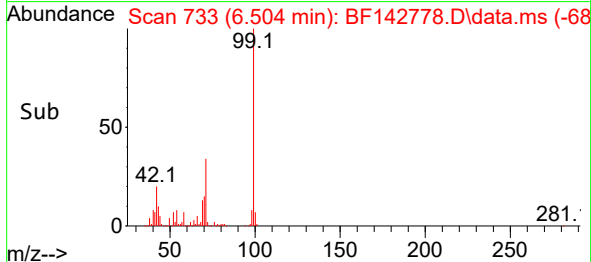
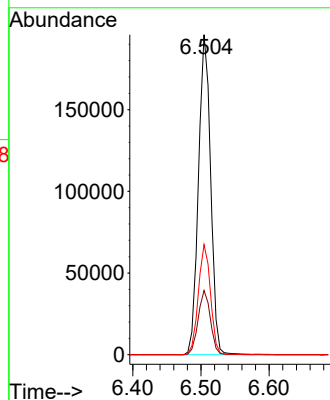
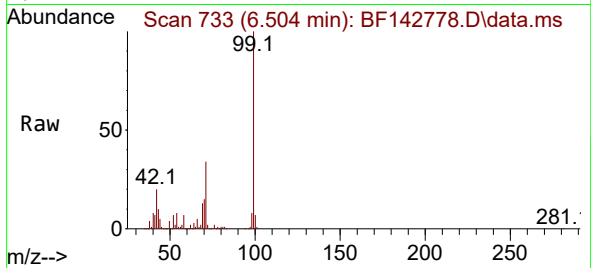




#7
Phenol-d6
Concen: 48.214 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142778.D
Acq: 18 Jun 2025 14:49

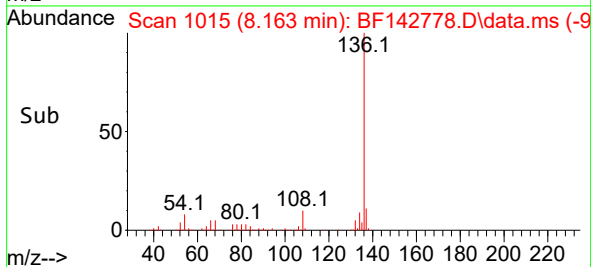
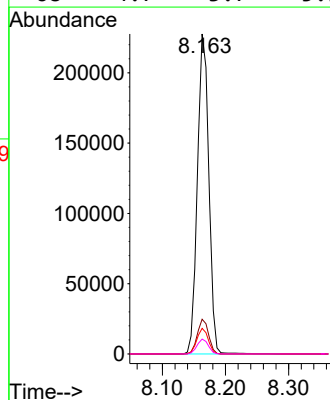
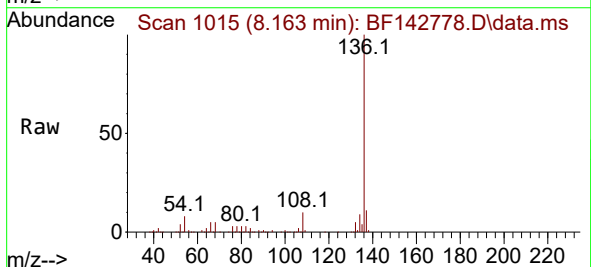
Instrument :
BNA_F
ClientSampleId :
MW-11

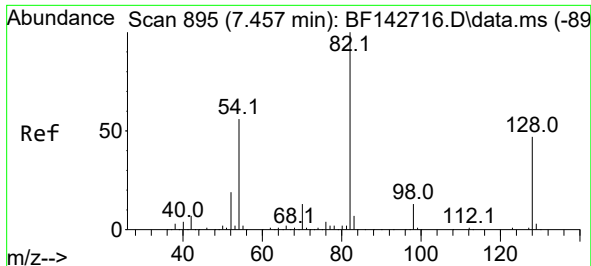
Tgt Ion: 99 Resp: 243127
Ion Ratio Lower Upper
99 100
42 20.1 15.9 23.9
71 34.4 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BF142778.D
Acq: 18 Jun 2025 14:49

Tgt Ion: 136 Resp: 285294
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.0 5.9 8.9
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 91.463 ng

RT: 7.445 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142778.D

Acq: 18 Jun 2025 14:49

Instrument :

BNA_F

ClientSampleId :

MW-11

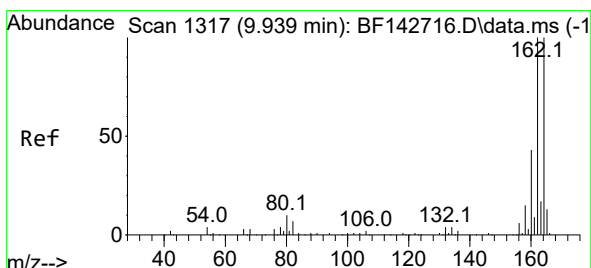
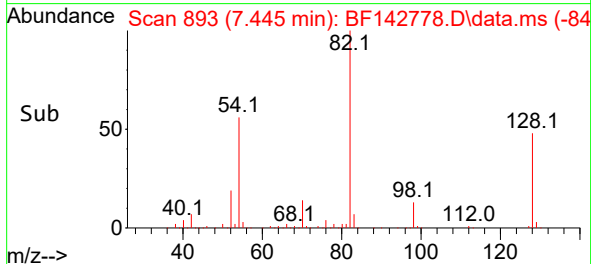
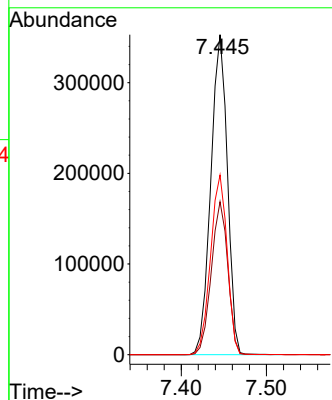
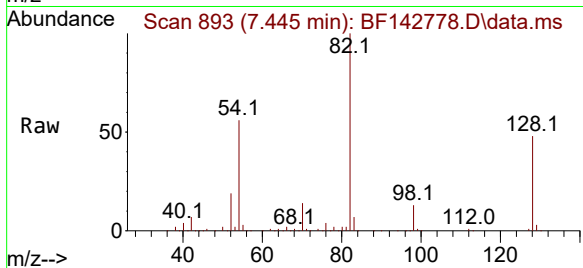
Tgt Ion: 82 Resp: 476792

Ion Ratio Lower Upper

82 100

128 47.8 37.8 56.8

54 56.2 44.9 67.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.018 min

Lab File: BF142778.D

Acq: 18 Jun 2025 14:49

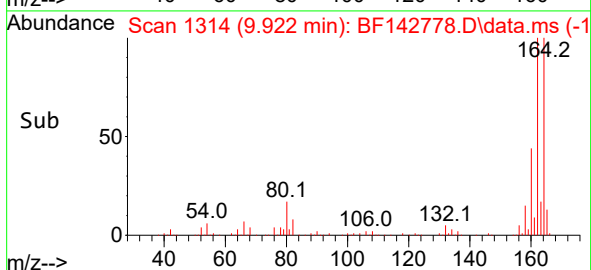
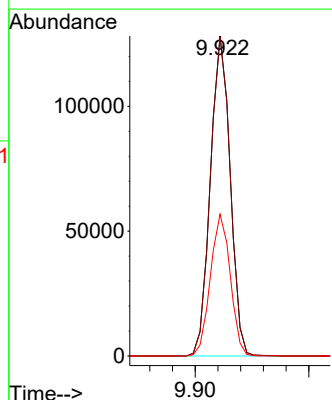
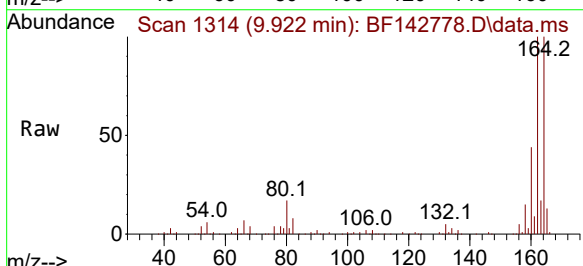
Tgt Ion:164 Resp: 155201

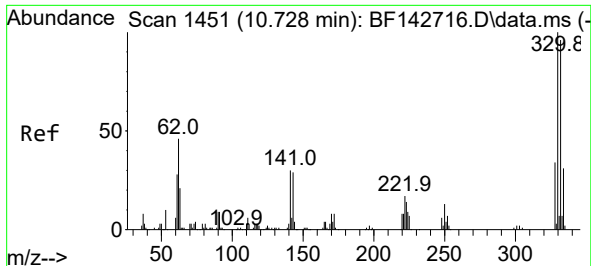
Ion Ratio Lower Upper

164 100

162 99.8 79.9 119.9

160 44.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 142.344 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF142778.D

Acq: 18 Jun 2025 14:49

Instrument :

BNA_F

ClientSampleId :

MW-11

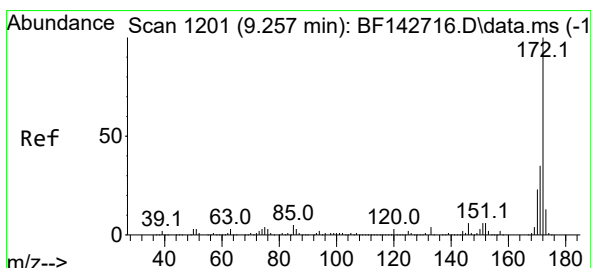
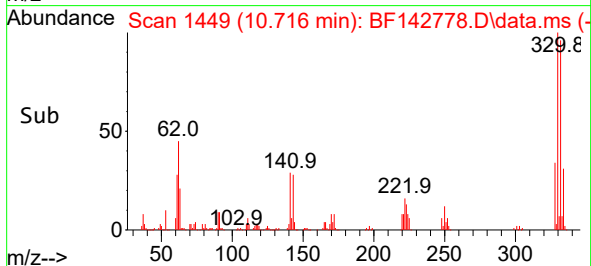
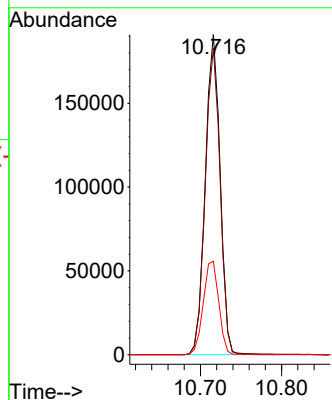
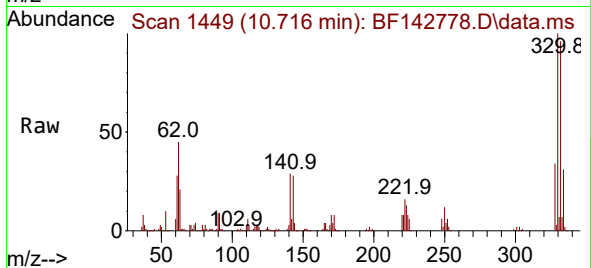
Tgt Ion:330 Resp: 242125

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

141 30.5 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 84.938 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142778.D

Acq: 18 Jun 2025 14:49

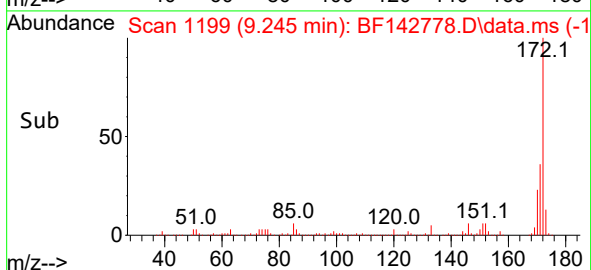
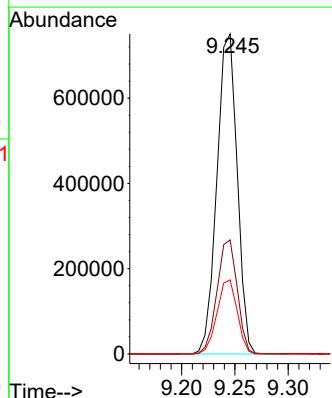
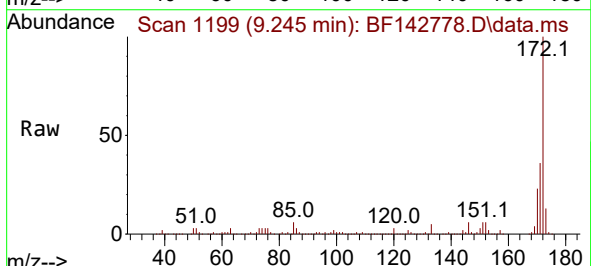
Tgt Ion:172 Resp: 992238

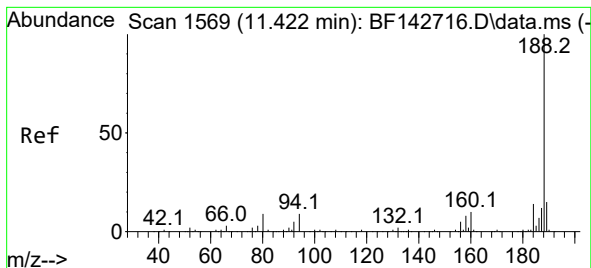
Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

170 23.1 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142778.D

Acq: 18 Jun 2025 14:49

Instrument :

BNA_F

ClientSampleId :

MW-11

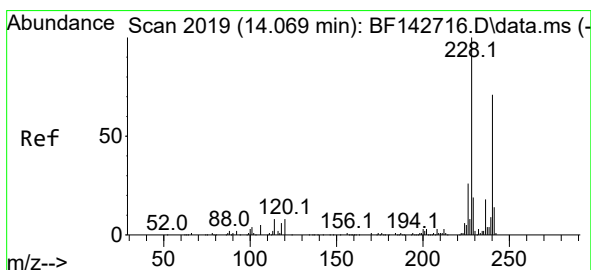
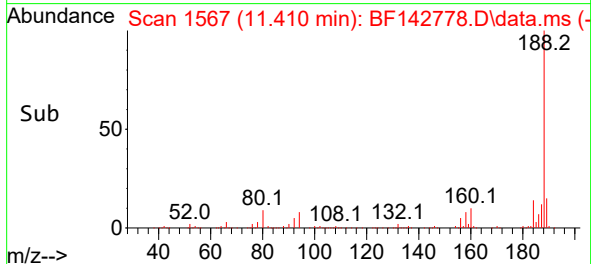
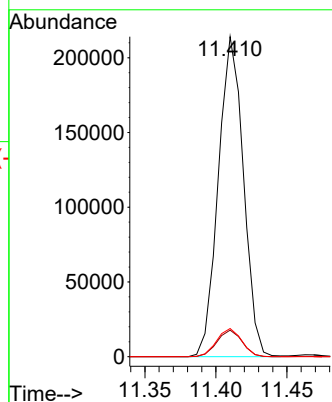
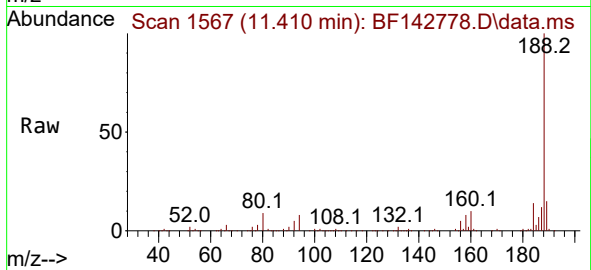
Tgt Ion:188 Resp: 263148

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 8.8 7.1 10.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF142778.D

Acq: 18 Jun 2025 14:49

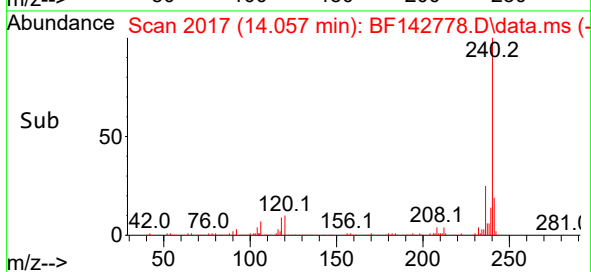
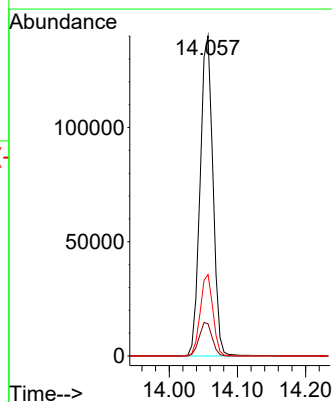
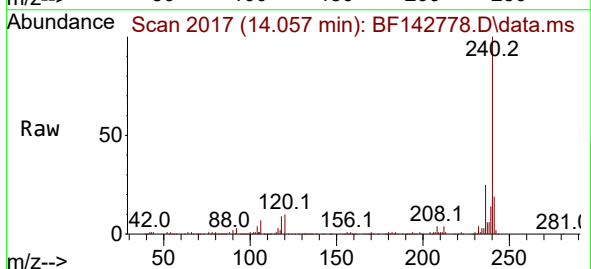
Tgt Ion:240 Resp: 182331

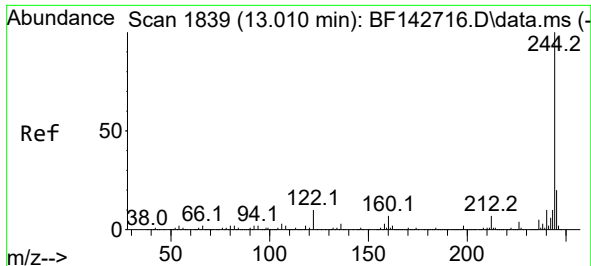
Ion Ratio Lower Upper

240 100

120 10.0 8.5 12.7

236 25.4 20.1 30.1

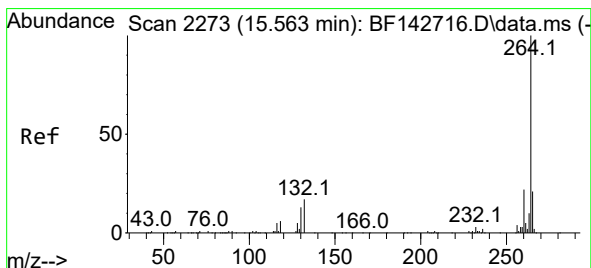
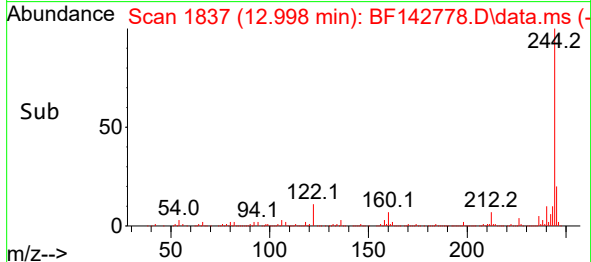
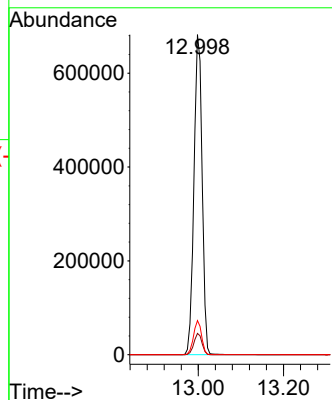
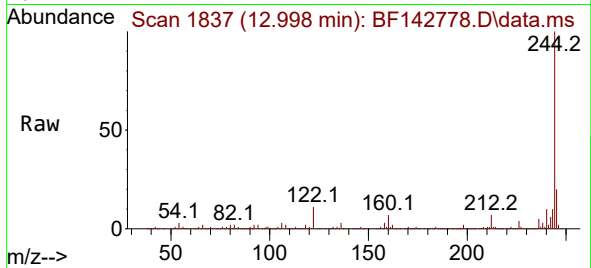




#79
 Terphenyl-d14
 Concen: 68.264 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142778.D
 Acq: 18 Jun 2025 14:49

Instrument :
 BNA_F
 ClientSampleId :
 MW-11

Tgt Ion:244 Resp: 906241
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.6 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. -0.018 min
 Lab File: BF142778.D
 Acq: 18 Jun 2025 14:49

Tgt Ion:264 Resp: 179027
 Ion Ratio Lower Upper
 264 100
 260 22.3 17.8 26.6
 265 20.7 16.6 25.0

