

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142652.D
 Acq On : 06 Jun 2025 18:01
 Operator : RC/JU
 Sample : Q2177-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-187-SB02

Quant Time: Jun 06 22:56:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127118	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	464348	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	242206	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	341702	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233121	20.000	ng	-0.01
86) Perylene-d12	15.562	264	281873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	567965	75.275	ng	0.00
7) Phenol-d6	6.516	99	709724	78.141	ng	-0.02
23) Nitrobenzene-d5	7.451	82	418235	49.114	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	192758	71.706	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	851469	47.173	ng	-0.02
79) Terphenyl-d14	13.010	244	546241	32.020	ng	0.00

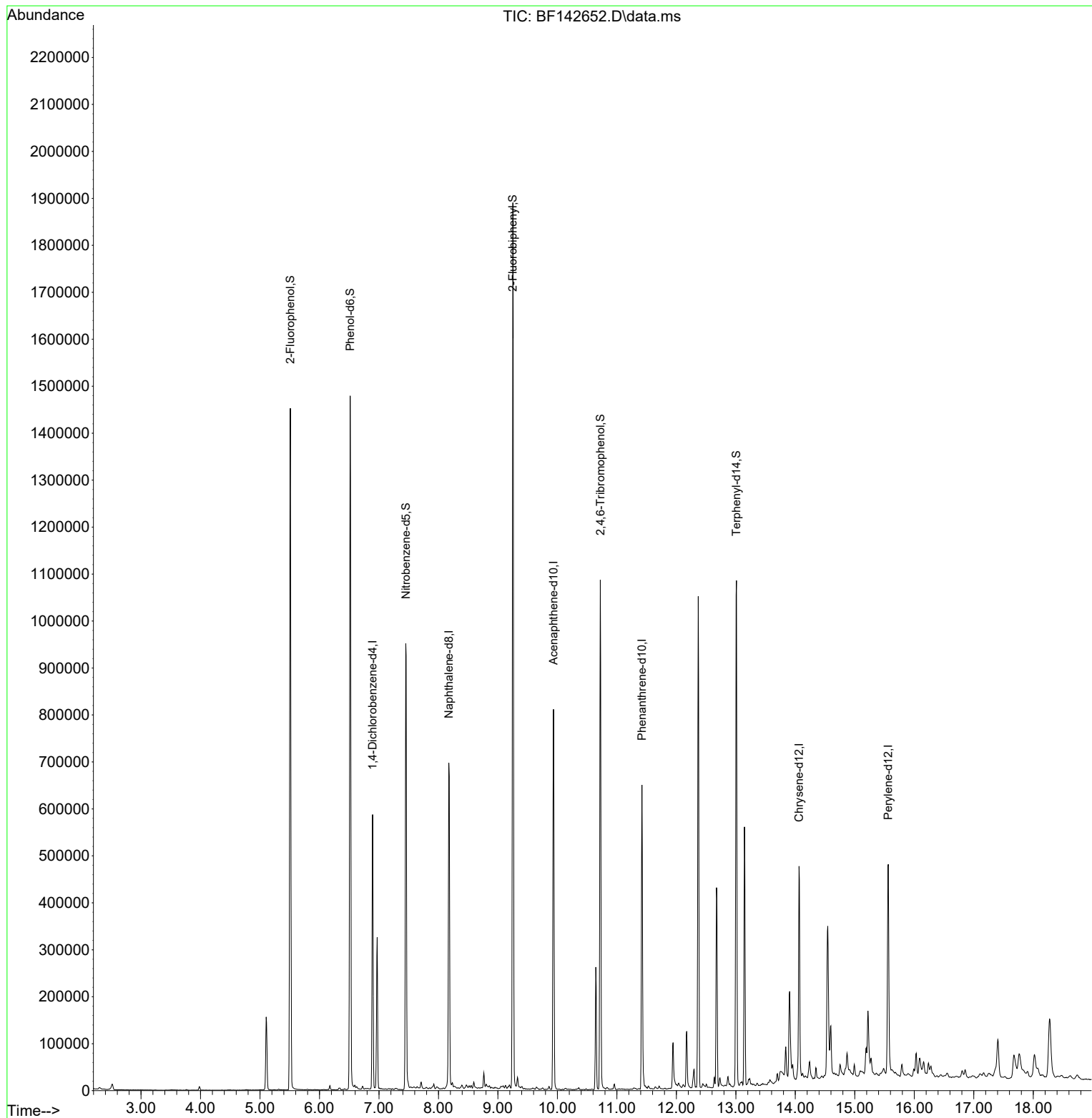
Target Compounds	Qvalue

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

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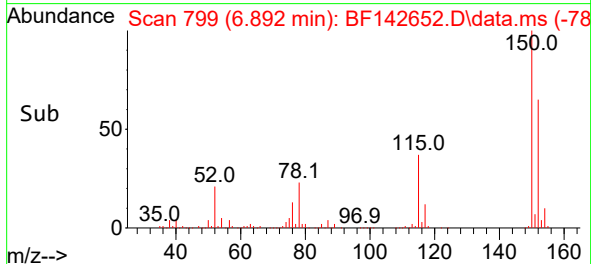
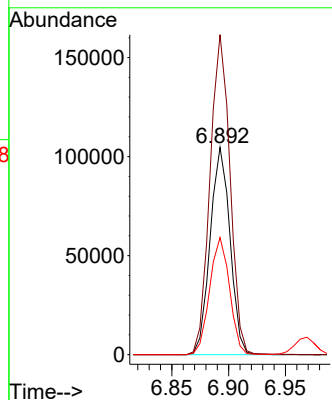
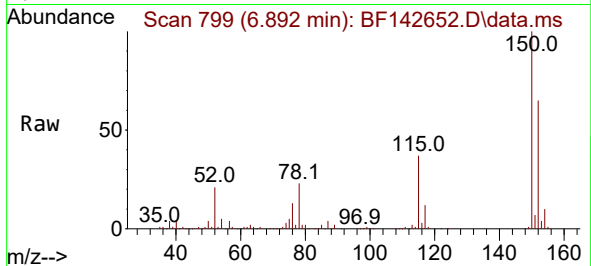




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

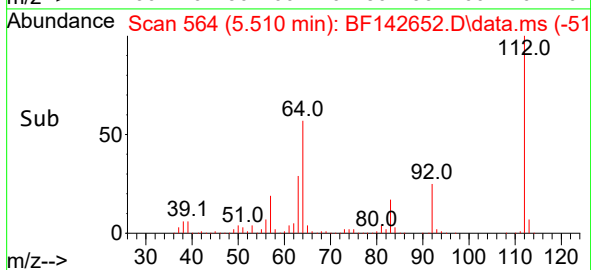
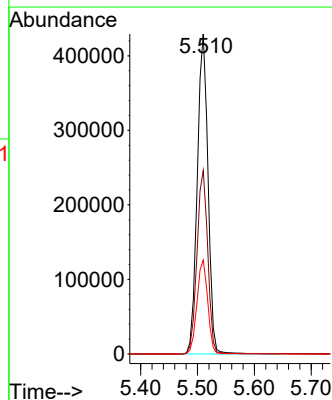
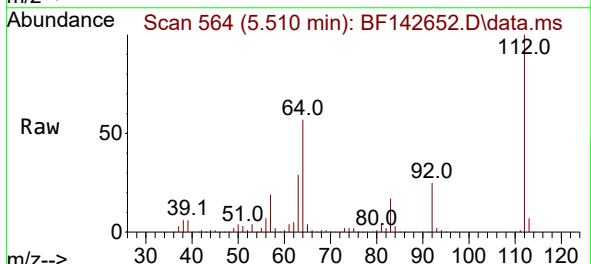
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion:152 Resp: 127118
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 56.5 48.3 72.5



#5
2-Fluorophenol
Concen: 75.275 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:112 Resp: 567965
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.4 24.9 37.3

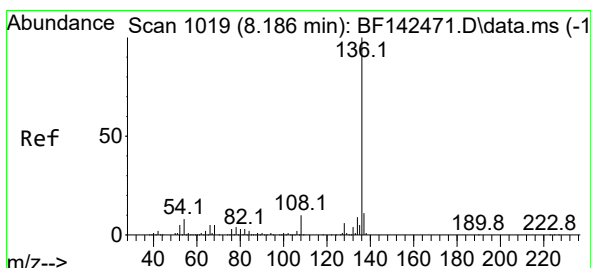
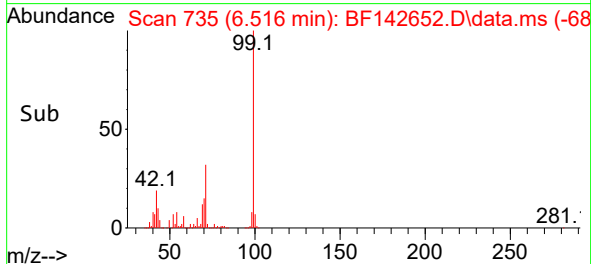
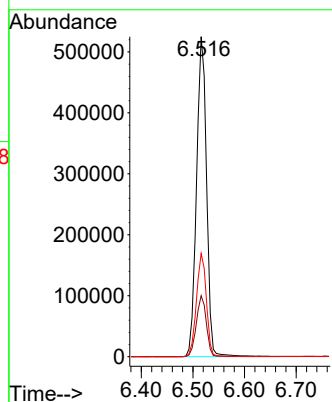
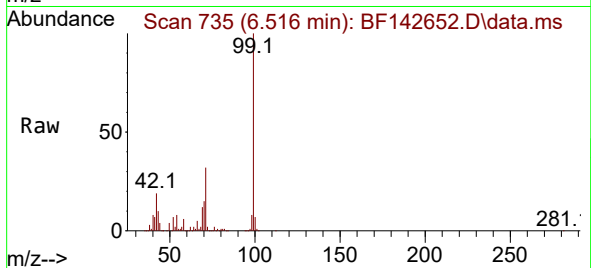




#7
Phenol-d6
Concen: 78.141 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

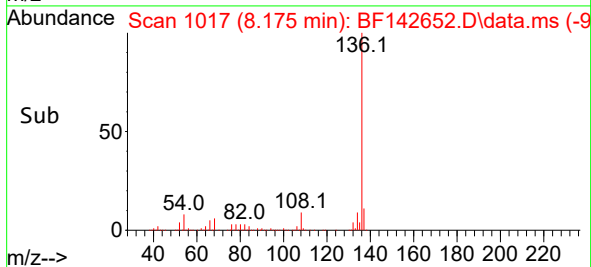
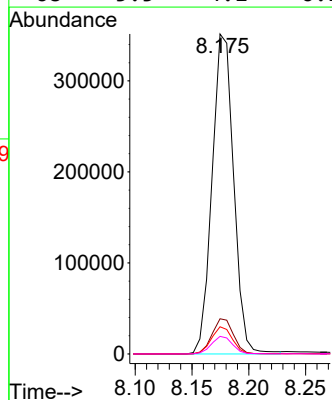
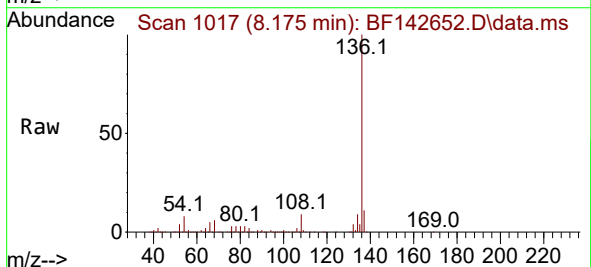
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

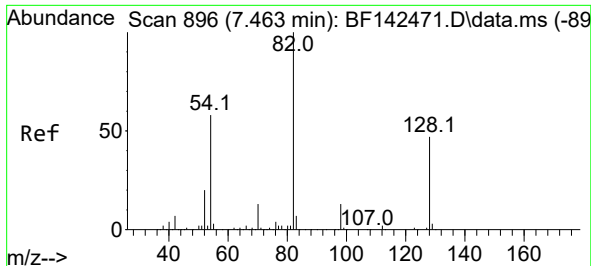
Tgt Ion: 99 Resp: 709724
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.2 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion: 136 Resp: 464348
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.5 6.6 10.0
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 49.114 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

Instrument :

BNA_F

ClientSampleId :

B-187-SB02

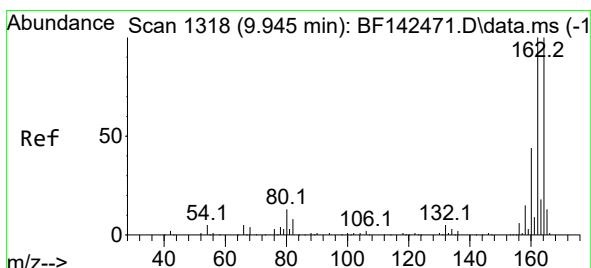
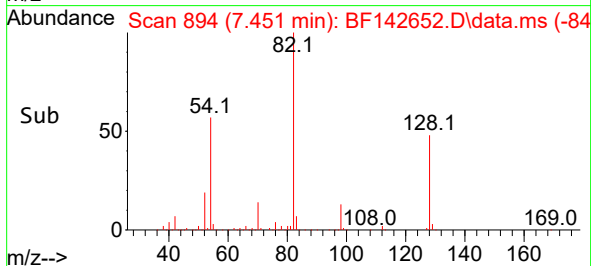
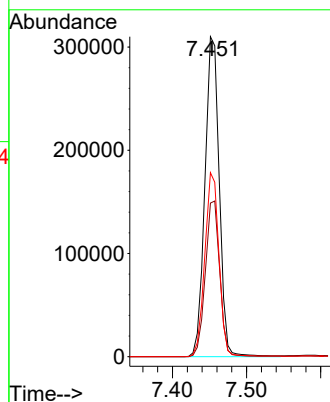
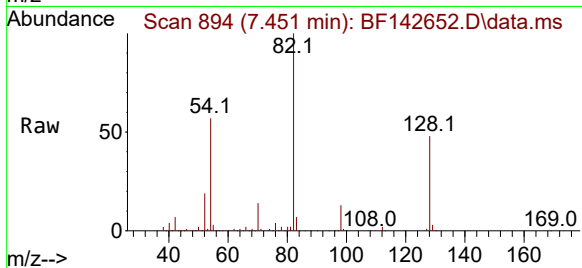
Tgt Ion: 82 Resp: 418235

Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

54 57.5 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

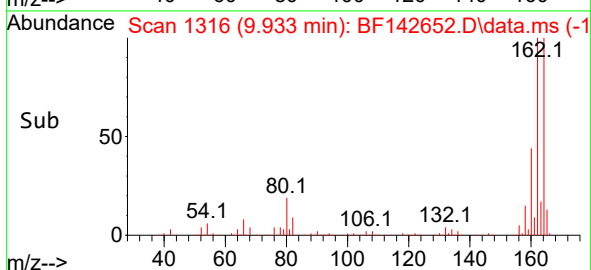
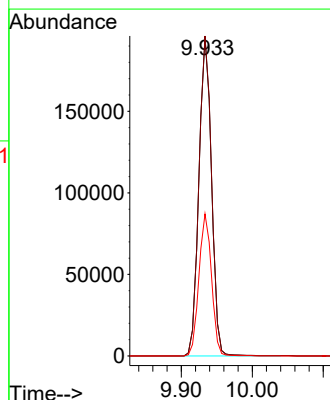
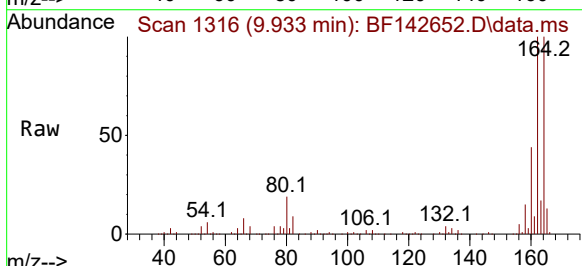
Tgt Ion:164 Resp: 242206

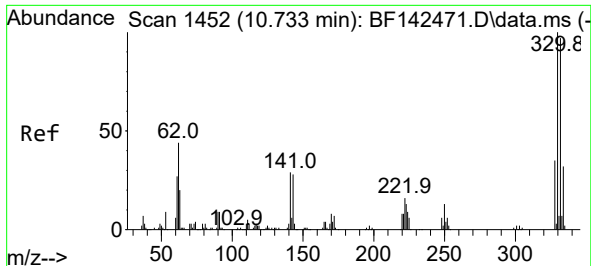
Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.4

160 44.6 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 71.706 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

Instrument :

BNA_F

ClientSampleId :

B-187-SB02

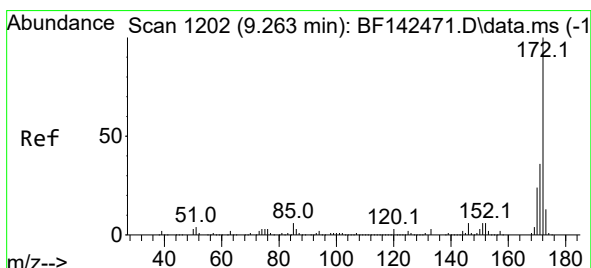
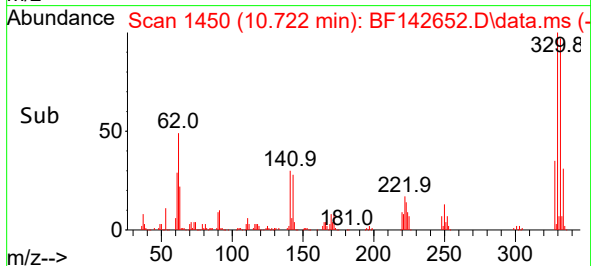
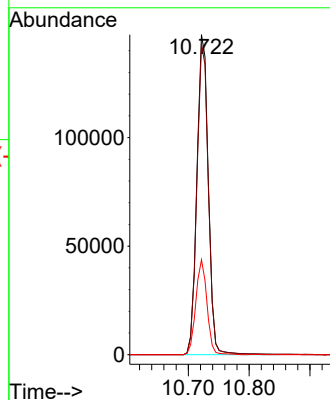
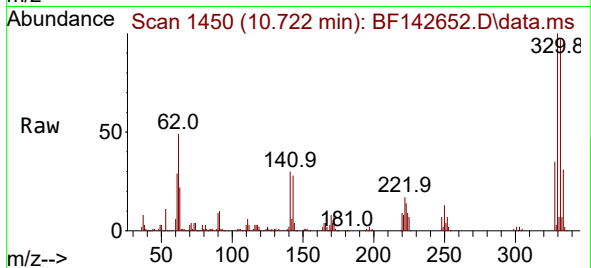
Tgt Ion:330 Resp: 192758

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 28.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 47.173 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

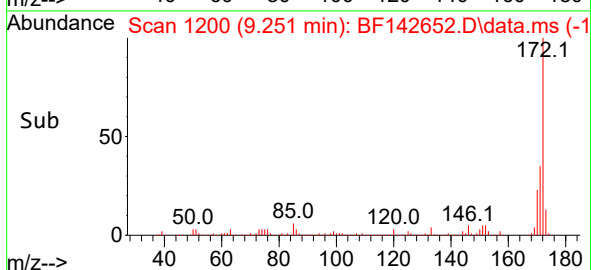
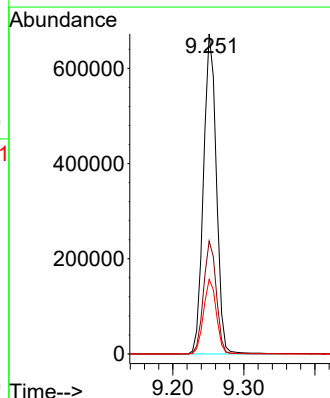
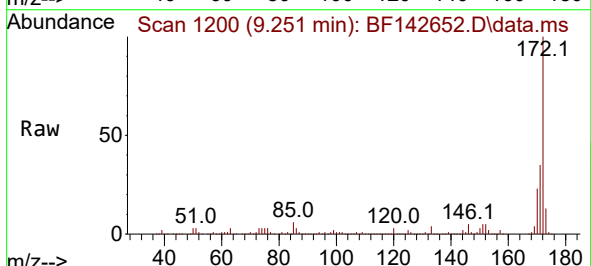
Tgt Ion:172 Resp: 851469

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.3 18.9 28.3

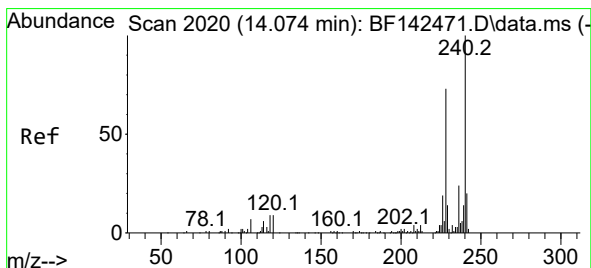
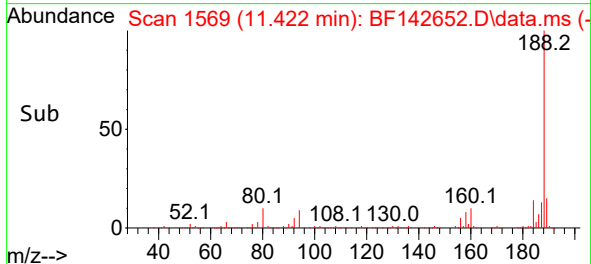
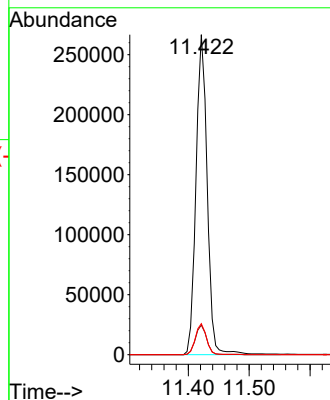
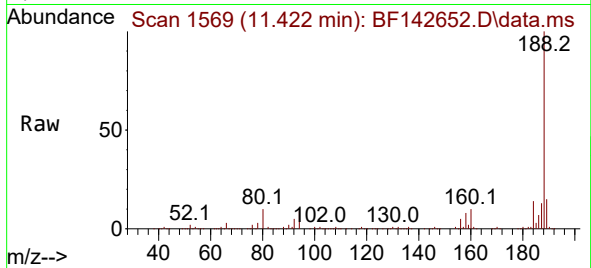




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

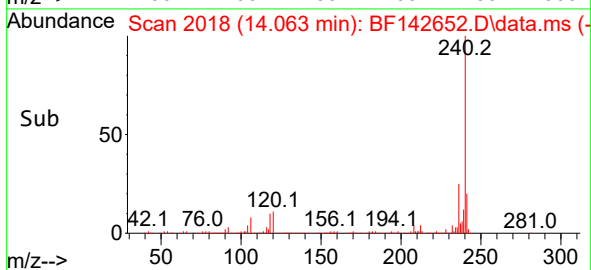
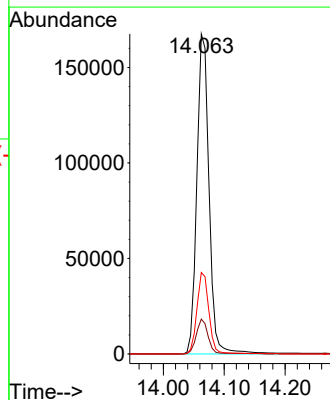
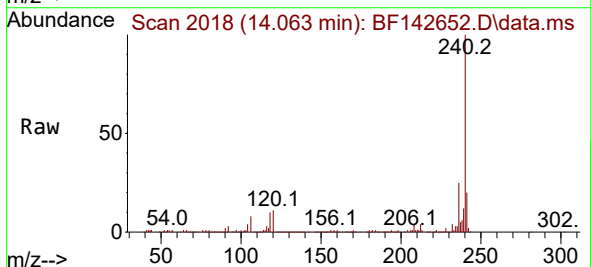
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion:188 Resp: 341702
Ion Ratio Lower Upper
188 100
94 9.3 6.6 10.0
80 9.7 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:240 Resp: 233121
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 25.5 19.6 29.4

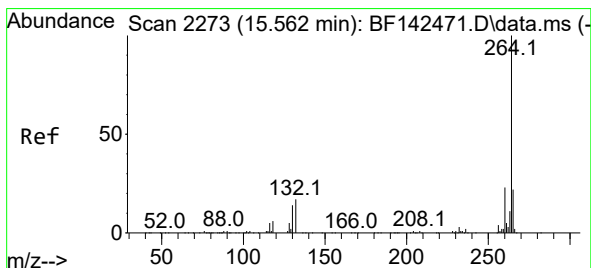
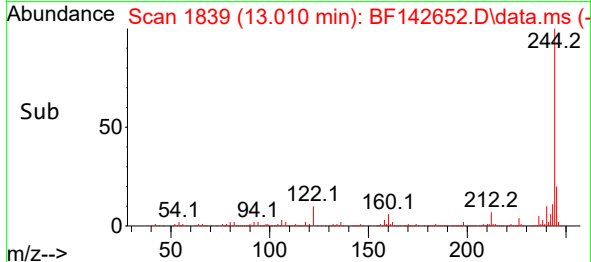
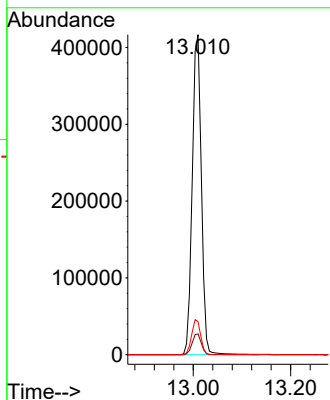
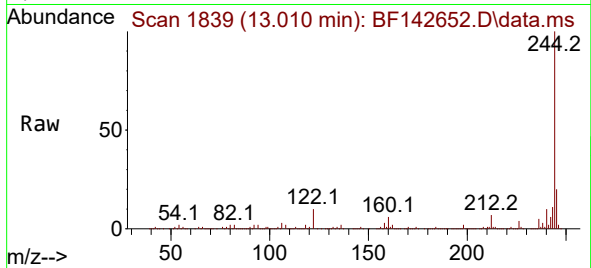




#79
 Terphenyl-d14
 Concen: 32.020 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142652.D
 Acq: 06 Jun 2025 18:01

Instrument :
 BNA_F
 ClientSampleId :
 B-187-SB02

Tgt Ion:244 Resp: 546241
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142652.D
 Acq: 06 Jun 2025 18:01

Tgt Ion:264 Resp: 281873
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.7 17.7 26.5

