

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142651.D
 Acq On : 06 Jun 2025 17:31
 Operator : RC/JU
 Sample : Q2198-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-202-SB02

Quant Time: Jun 06 22:55:55 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)

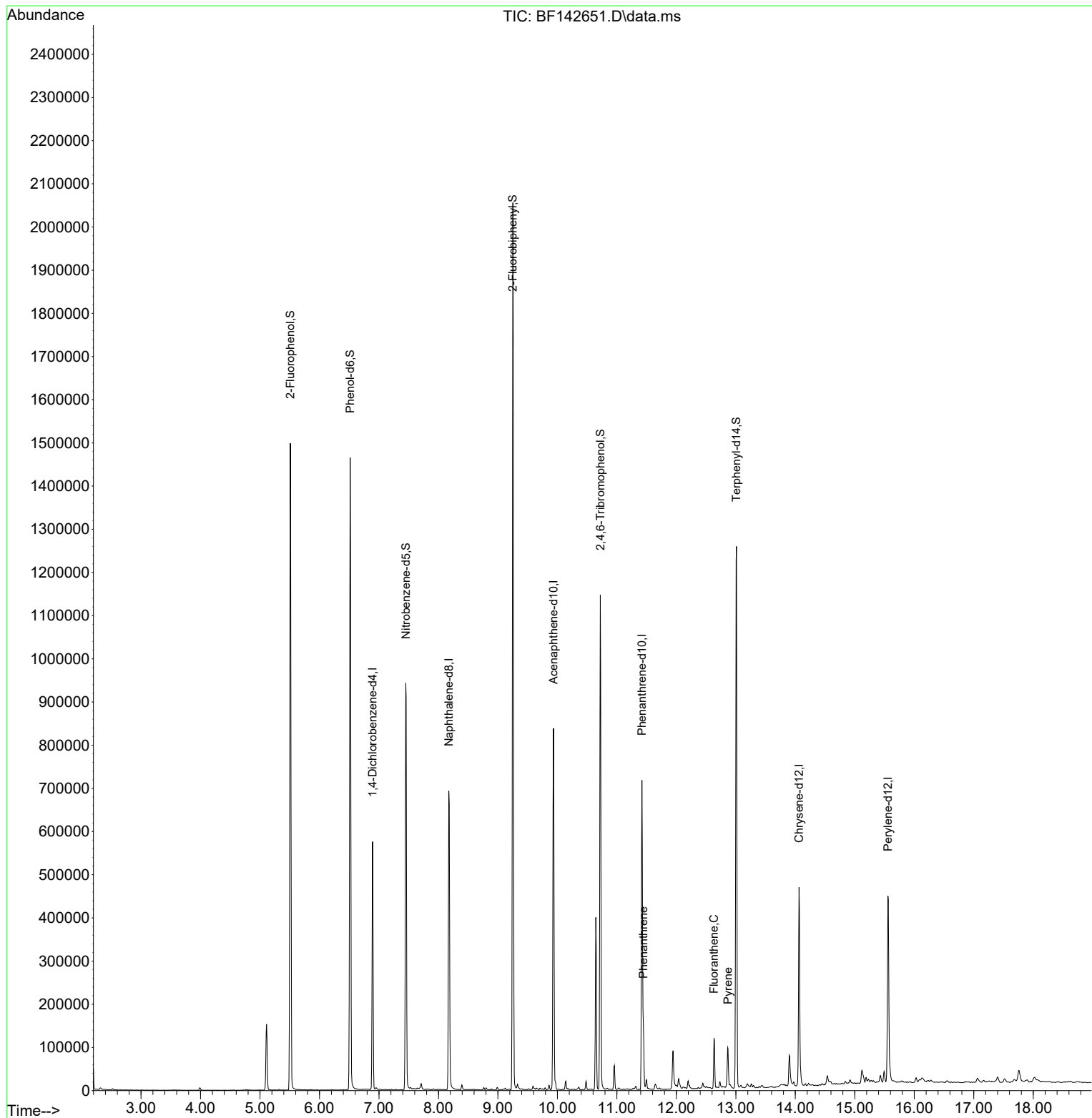
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	123234	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	476509	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	248989	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	371551	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	222853	20.000	ng	-0.01
86) Perylene-d12	15.557	264	271822	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	578127	79.037	ng	0.00
7) Phenol-d6	6.516	99	708871	80.507	ng	-0.02
23) Nitrobenzene-d5	7.451	82	421343	48.216	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	200544	72.570	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	918643	49.508	ng	-0.02
79) Terphenyl-d14	13.010	244	635932	38.996	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	73270	3.690	ng	99
75) Fluoranthene	12.633	202	72115	3.887	ng	98
78) Pyrene	12.869	202	57879	2.784	ng	99

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

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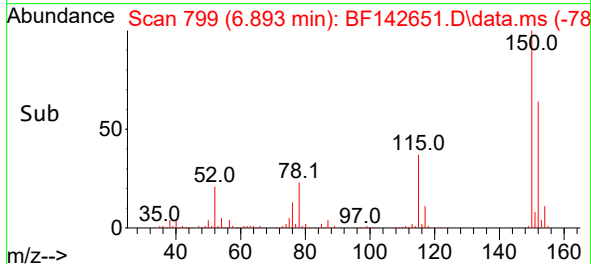
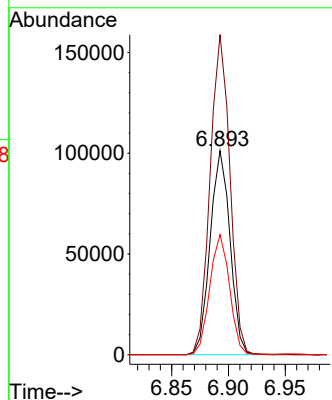
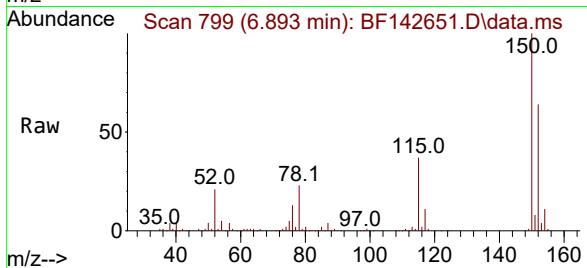




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

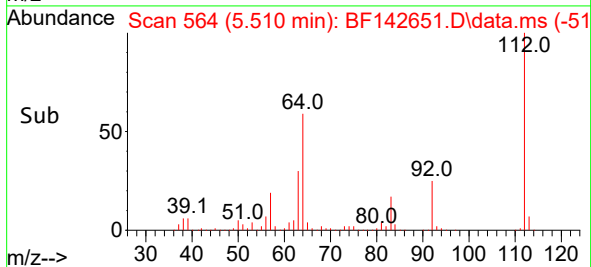
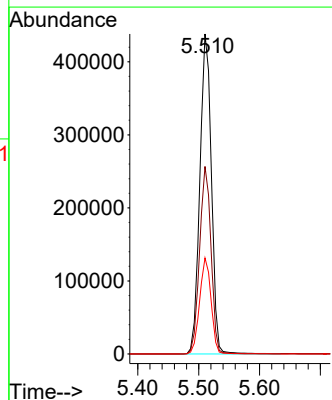
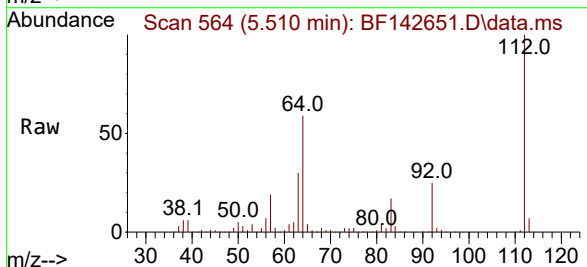
Instrument :
BNA_F
ClientSampleId :
B-202-SB02

Tgt Ion:152 Resp: 123234
Ion Ratio Lower Upper
152 100
150 156.9 128.2 192.4
115 58.8 48.3 72.5



#5
2-Fluorophenol
Concen: 79.037 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion:112 Resp: 578127
Ion Ratio Lower Upper
112 100
64 58.6 47.5 71.3
63 30.0 24.9 37.3

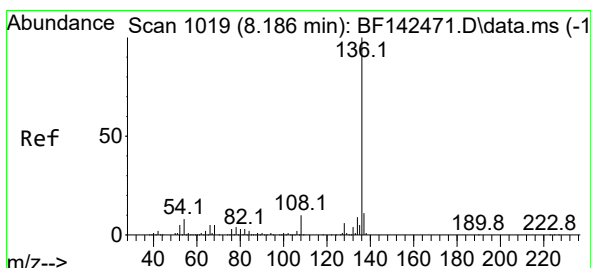
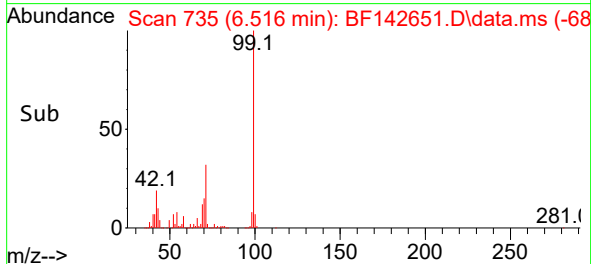
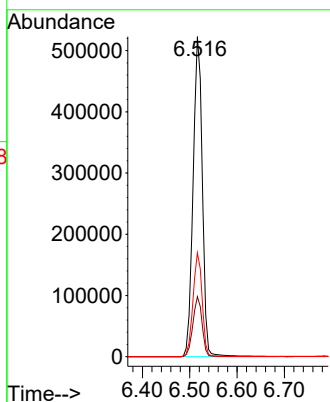
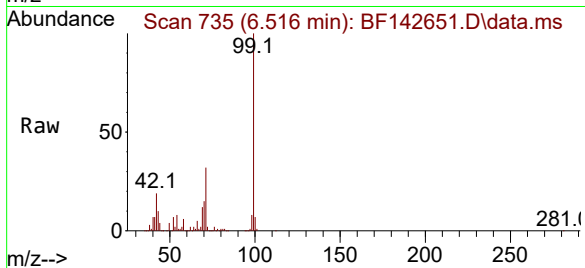




#7
Phenol-d6
Concen: 80.507 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

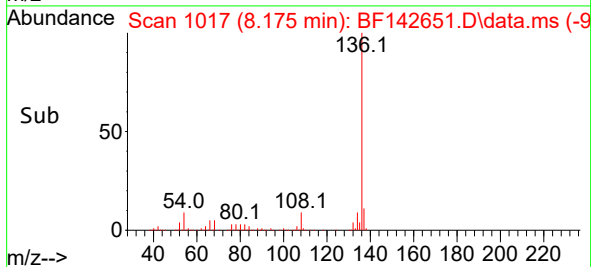
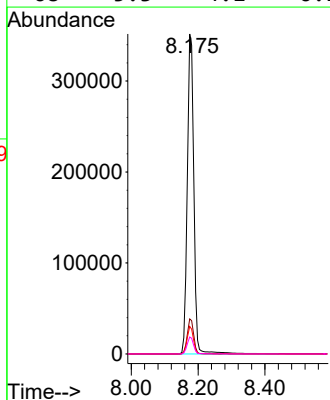
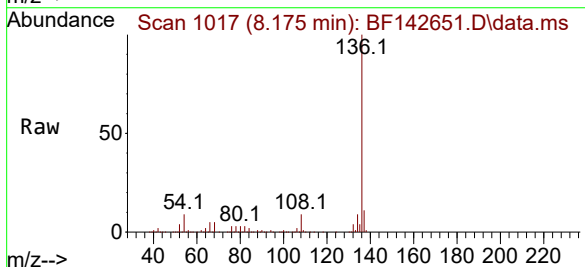
Instrument :
BNA_F
ClientSampleId :
B-202-SB02

Tgt Ion: 99 Resp: 708871
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 32.5 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: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion: 136 Resp: 476509
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.6 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 48.216 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

Instrument :

BNA_F

ClientSampleId :

B-202-SB02

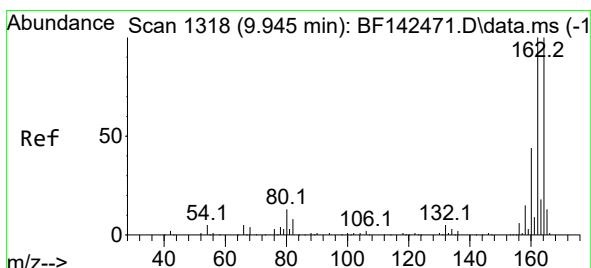
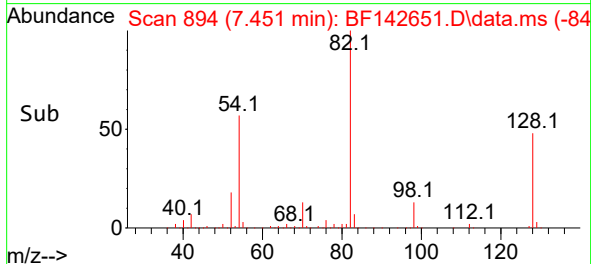
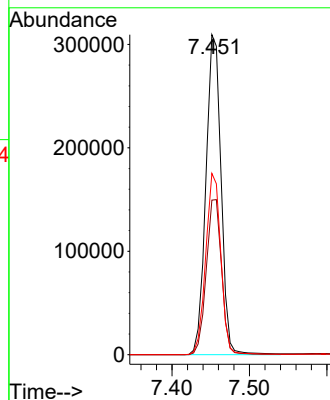
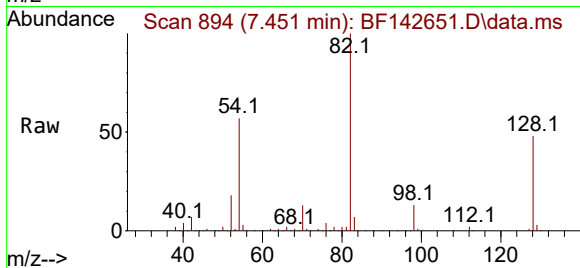
Tgt Ion: 82 Resp: 421343

Ion Ratio Lower Upper

82 100

128 48.3 37.4 56.2

54 56.6 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

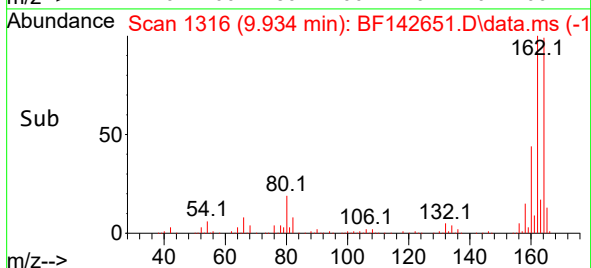
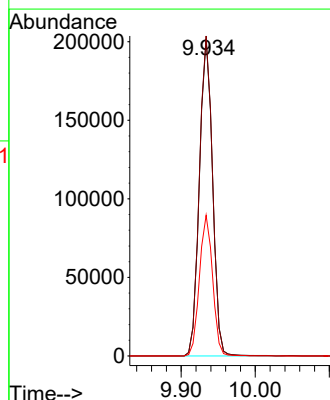
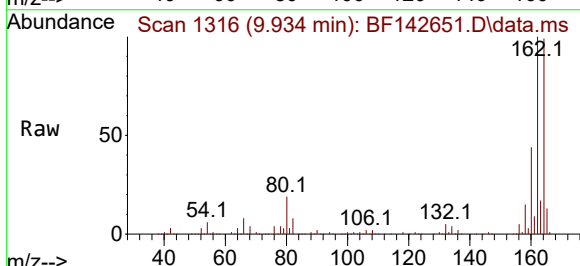
Tgt Ion:164 Resp: 248989

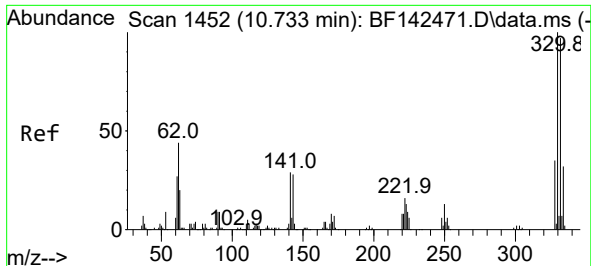
Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.4

160 44.3 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 72.570 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.017 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

Instrument :

BNA_F

ClientSampleId :

B-202-SB02

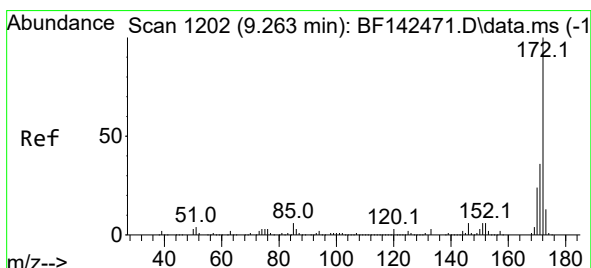
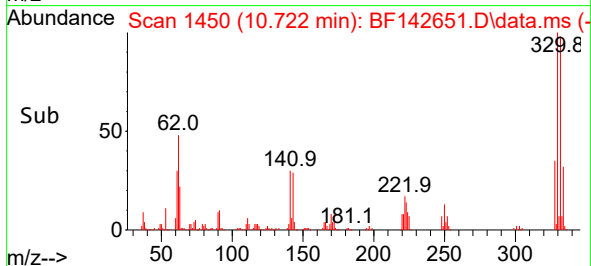
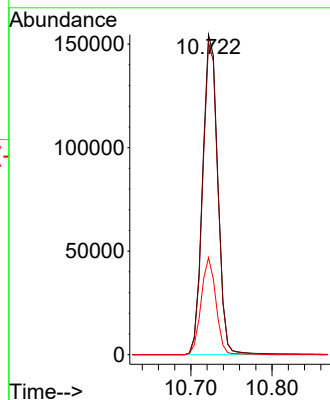
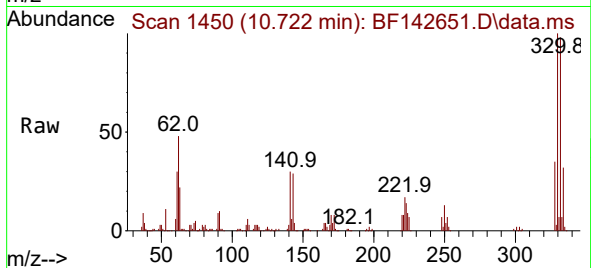
Tgt Ion:330 Resp: 200544

Ion Ratio Lower Upper

330 100

332 97.7 77.6 116.4

141 29.7 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 49.508 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

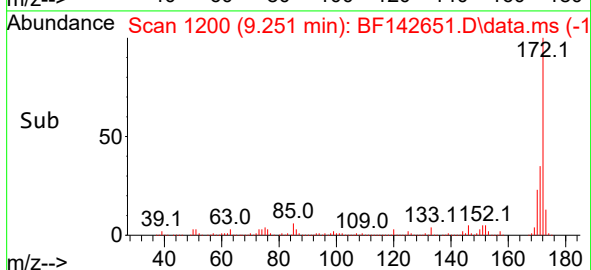
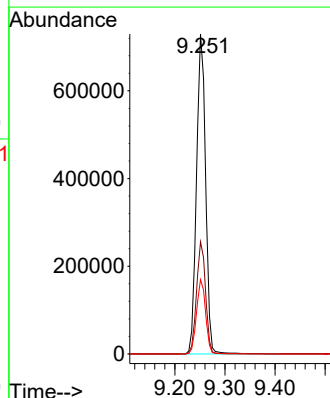
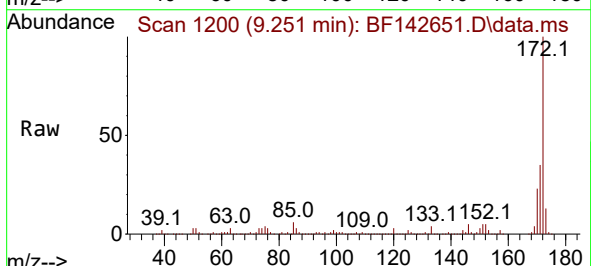
Tgt Ion:172 Resp: 918643

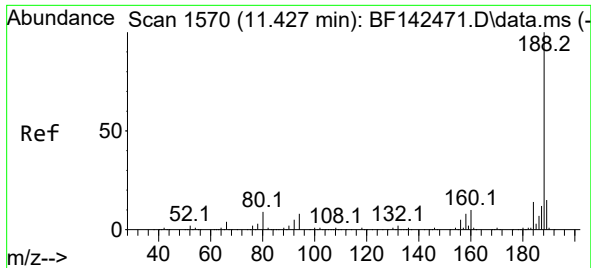
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.2 18.9 28.3

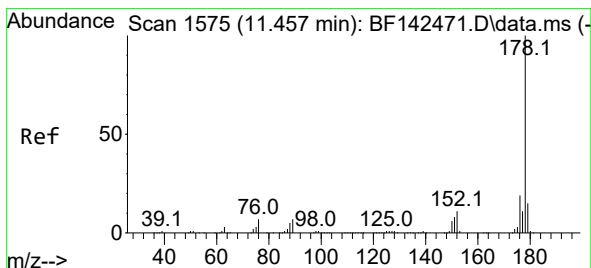
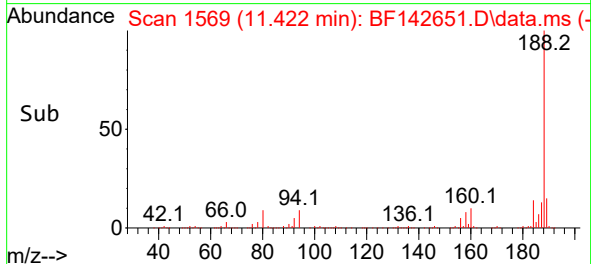
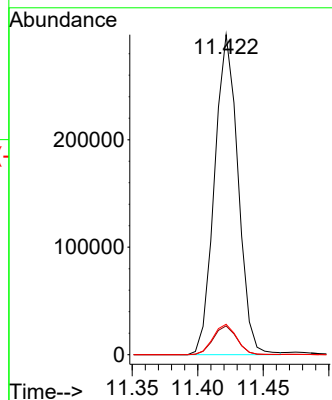
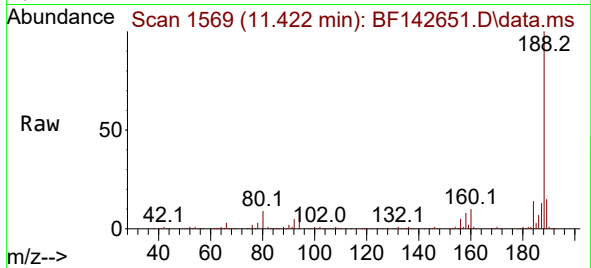




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

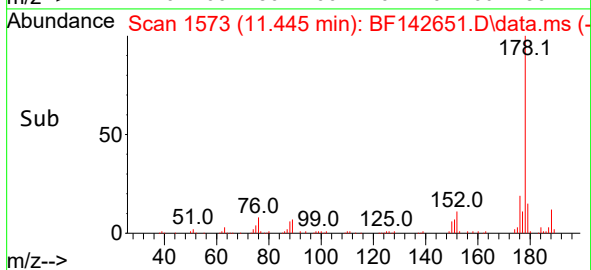
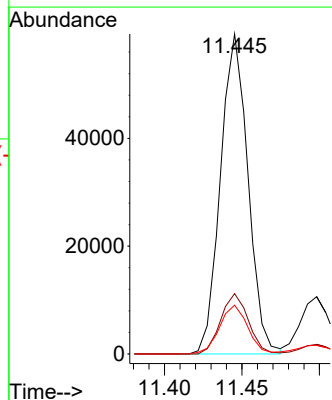
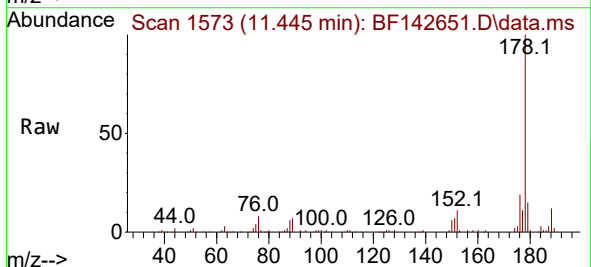
Instrument :
BNA_F
ClientSampleId :
B-202-SB02

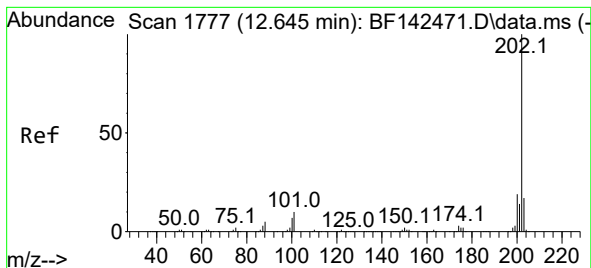
Tgt Ion:188 Resp: 371551
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.5 7.4 11.0



#71
Phenanthrene
Concen: 3.690 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion:178 Resp: 73270
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.3 18.5





#75

Fluoranthene

Concen: 3.887 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

Instrument :

BNA_F

ClientSampleId :

B-202-SB02

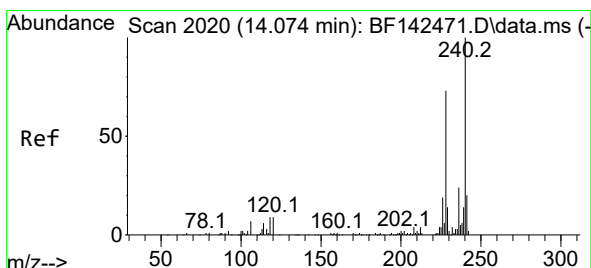
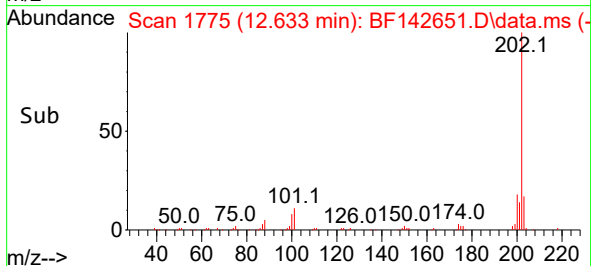
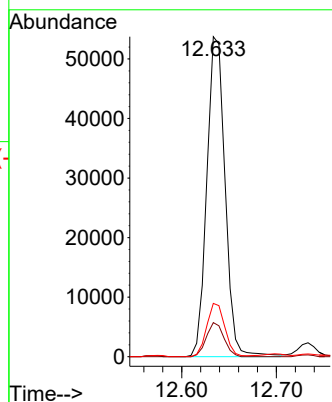
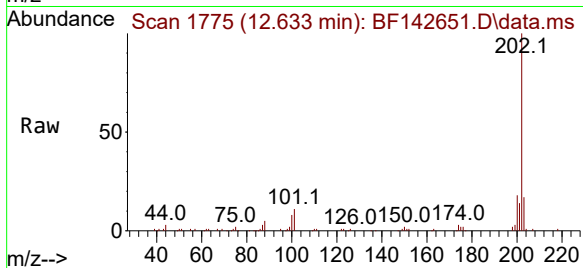
Tgt Ion:202 Resp: 72115

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.6

203 16.7 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

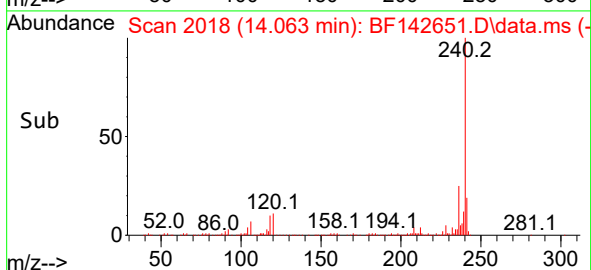
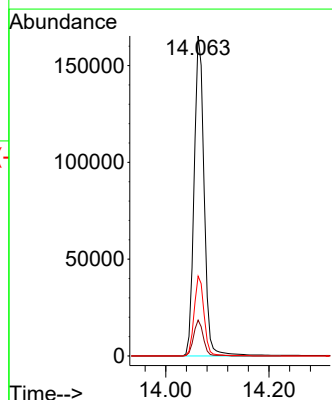
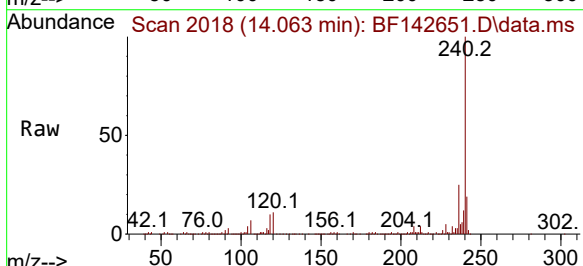
Tgt Ion:240 Resp: 222853

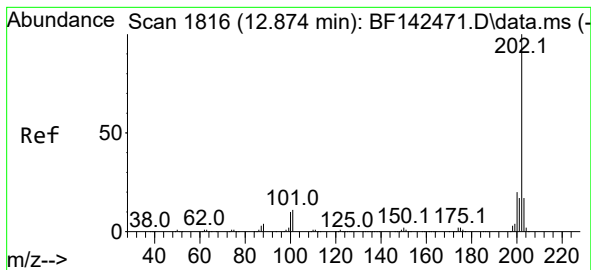
Ion Ratio Lower Upper

240 100

120 11.2 7.5 11.3

236 25.0 19.6 29.4





#78

Pyrene

Concen: 2.784 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

Instrument :

BNA_F

ClientSampleId :

B-202-SB02

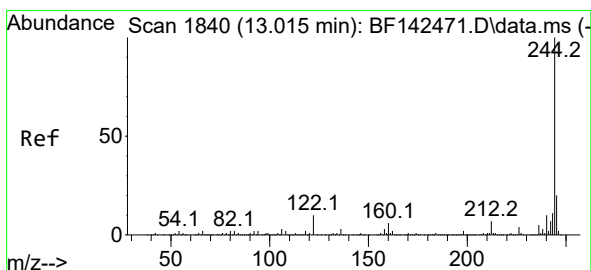
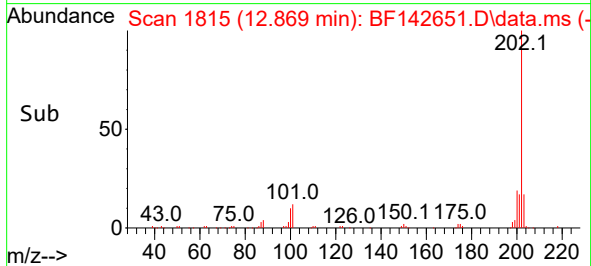
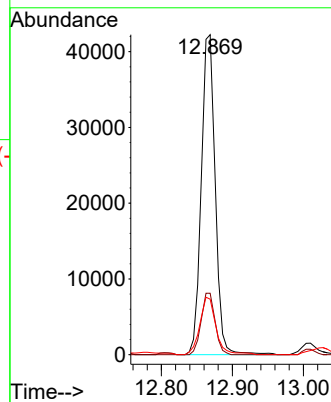
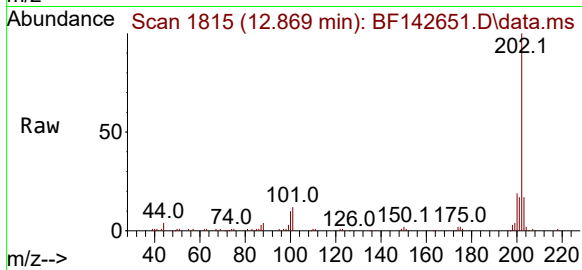
Tgt Ion:202 Resp: 57879

Ion Ratio Lower Upper

202 100

200 19.2 16.1 24.1

203 17.4 13.9 20.9



#79

Terphenyl-d14

Concen: 38.996 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

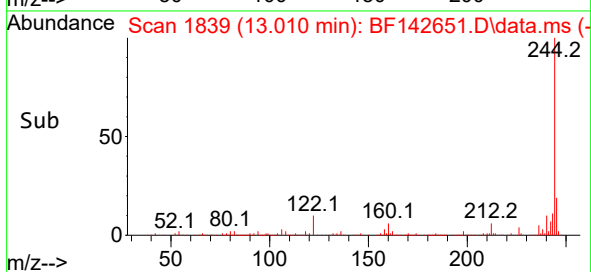
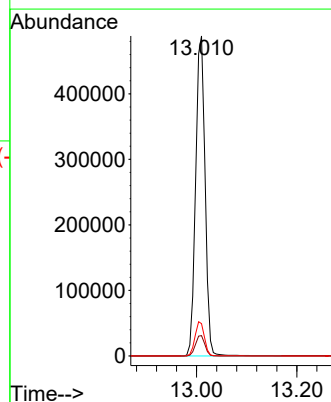
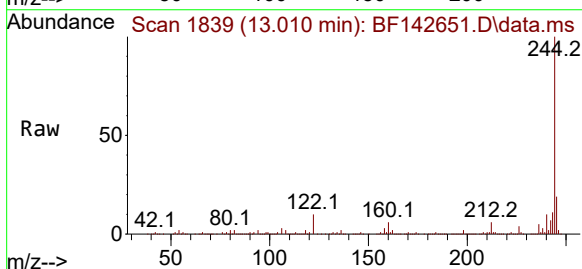
Tgt Ion:244 Resp: 635932

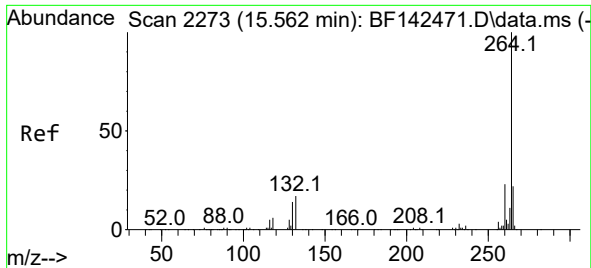
Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

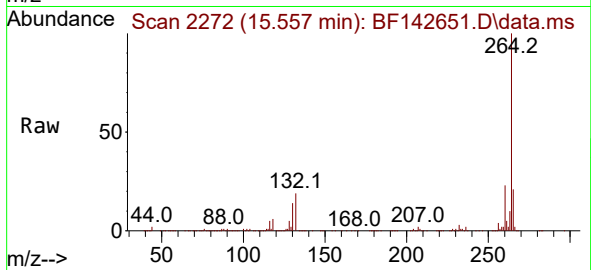
122 10.1 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142651.D
 Acq: 06 Jun 2025 17:31

Instrument :
 BNA_F
 ClientSampleId :
 B-202-SB02



Tgt Ion:264 Resp: 271822
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.1 17.7 26.5

