

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142681.D
 Acq On : 07 Jun 2025 09:58
 Operator : RC/JU
 Sample : Q2223-01 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-06042025

Quant Time: Jun 09 01:04:38 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)

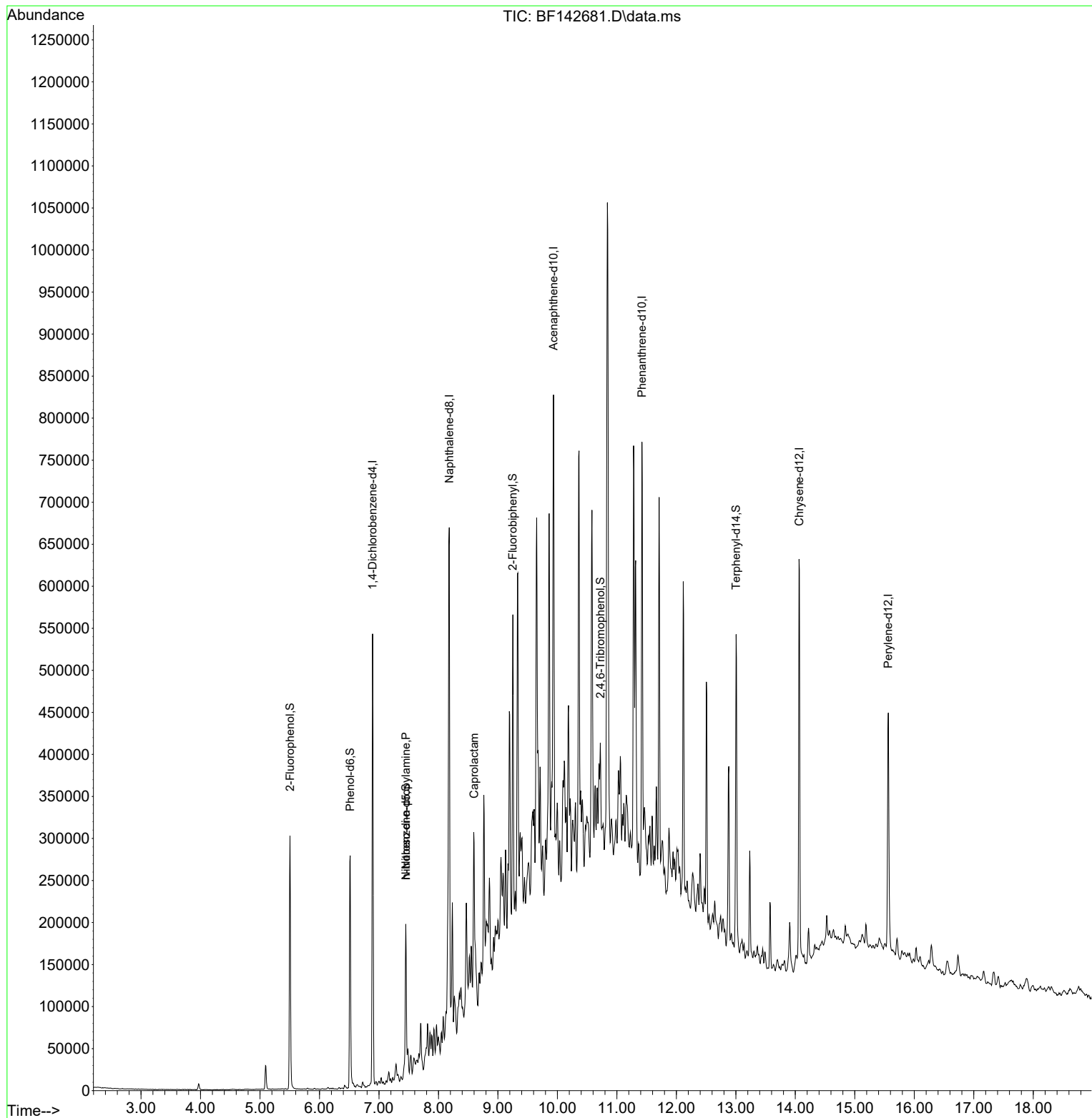
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	116962	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	394368	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	158110	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	261182	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	248515	20.000	ng	0.00
86) Perylene-d12	15.563	264	174505	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	118987	17.139	ng	-0.01
7) Phenol-d6	6.516	99	138279	16.547	ng	-0.02
23) Nitrobenzene-d5	7.451	82	78428	10.844	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	26704	15.218	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	166568	14.136	ng	-0.02
79) Terphenyl-d14	13.004	244	179596	9.876	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	12925	2.496	ng	# 75
35) Caprolactam	8.598	113	5662	3.607	ng	# 1

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

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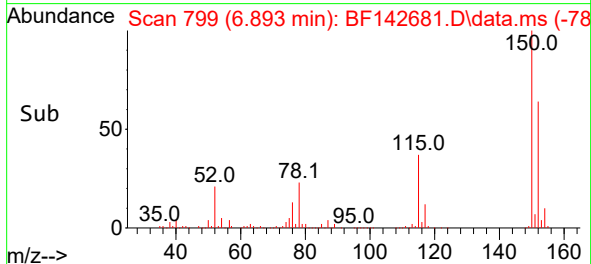
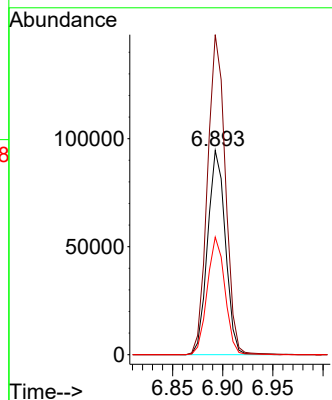
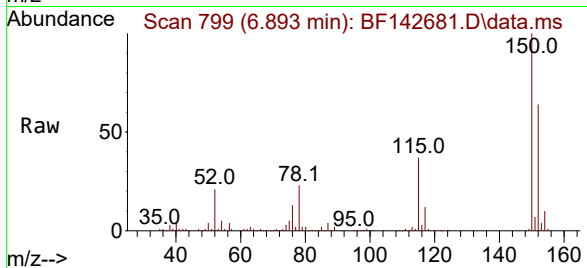




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142681.D
Acq: 07 Jun 2025 09:58

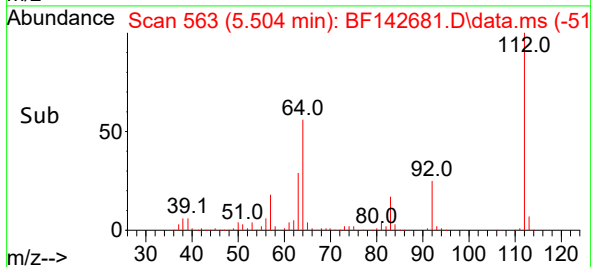
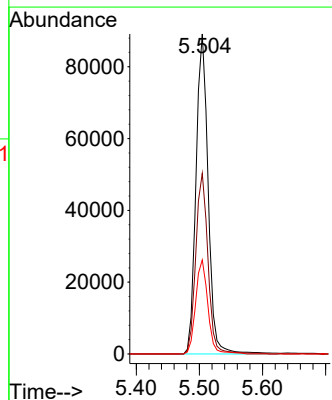
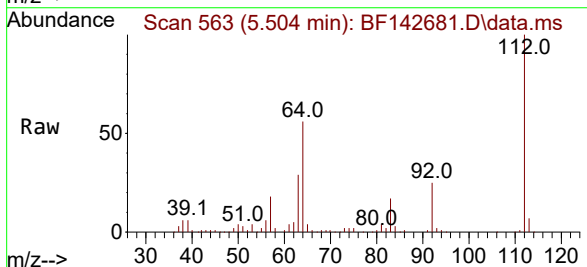
Instrument :
BNA_F
ClientSampleId :
HR-01-06042025

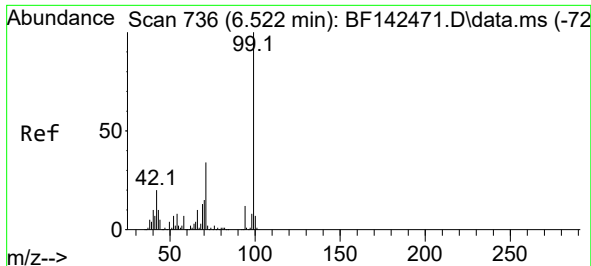
Tgt Ion:152 Resp: 116962
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.4
115 57.6 48.3 72.5



#5
2-Fluorophenol
Concen: 17.139 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142681.D
Acq: 07 Jun 2025 09:58

Tgt Ion:112 Resp: 118987
Ion Ratio Lower Upper
112 100
64 56.4 47.5 71.3
63 29.4 24.9 37.3

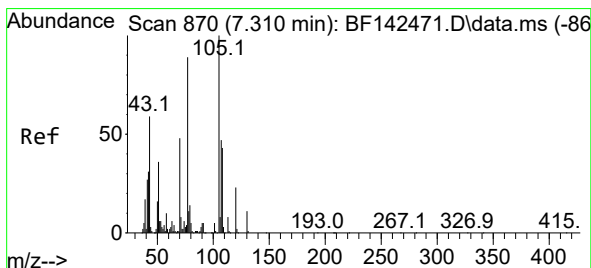
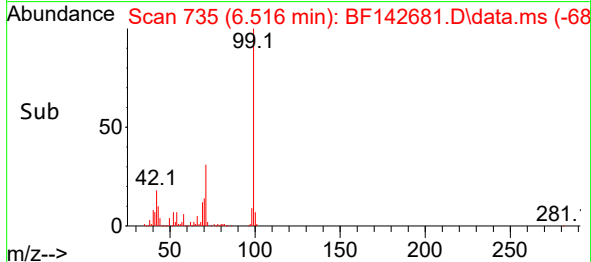
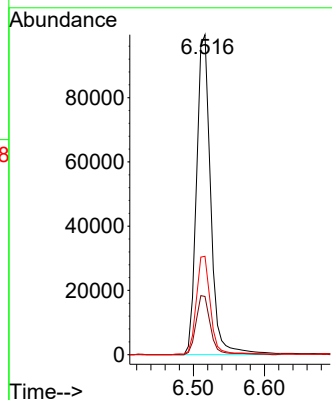
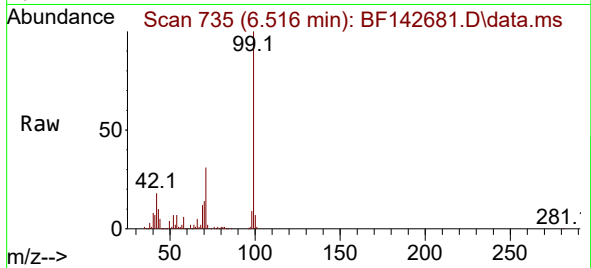




#7
Phenol-d6
Concen: 16.547 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142681.D
Acq: 07 Jun 2025 09:58

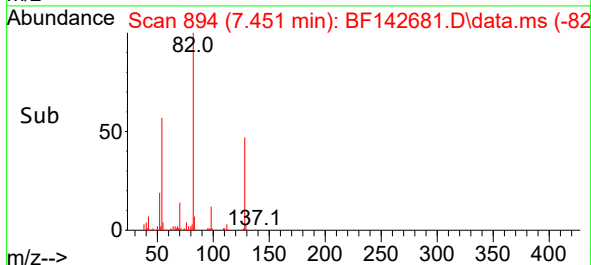
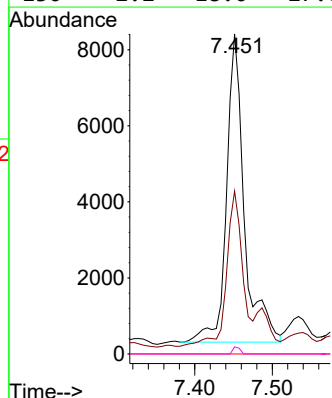
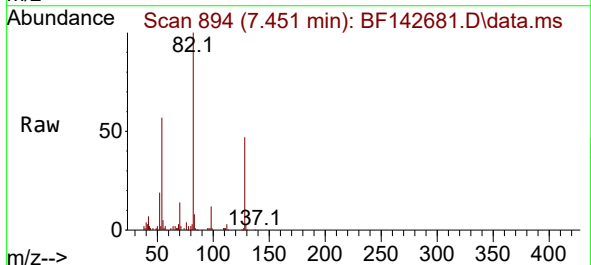
Instrument :
BNA_F
ClientSampleId :
HR-01-06042025

Tgt Ion: 99 Resp: 138279
Ion Ratio Lower Upper
99 100
42 18.2 16.2 24.2
71 30.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.496 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142681.D
Acq: 07 Jun 2025 09:58

Tgt Ion: 70 Resp: 12925
Ion Ratio Lower Upper
70 100
42 50.9 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142681.D

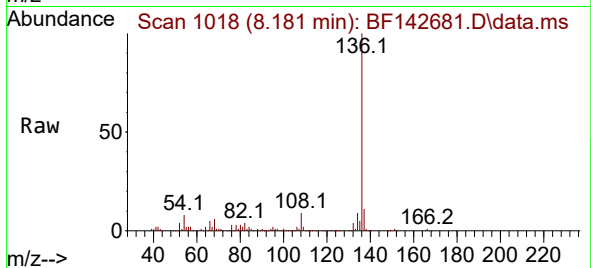
Acq: 07 Jun 2025 09:58

Instrument :

BNA_F

ClientSampleId :

HR-01-06042025



Tgt Ion:136 Resp: 394368

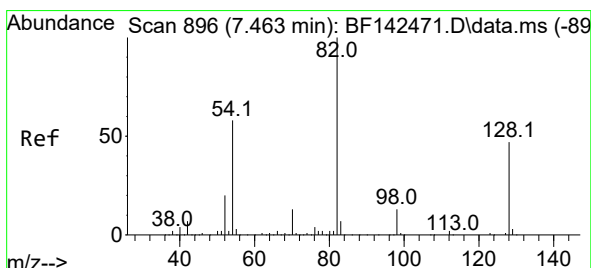
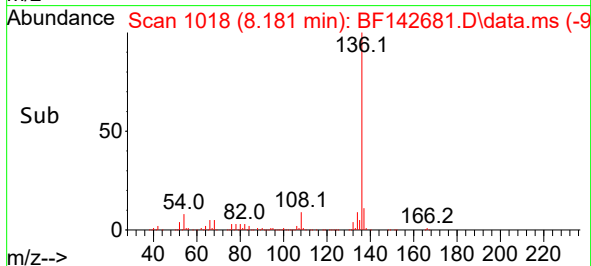
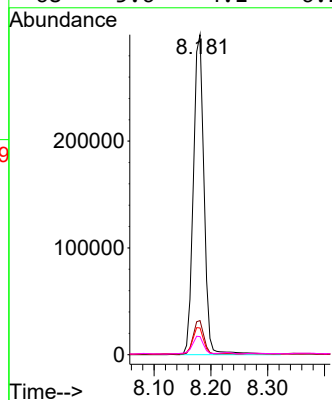
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.3 6.6 10.0

68 5.6 4.1 6.1



#23

Nitrobenzene-d5

Concen: 10.844 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142681.D

Acq: 07 Jun 2025 09:58

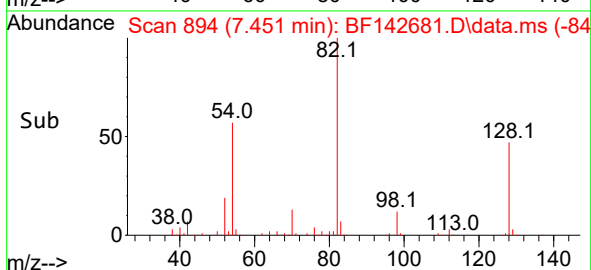
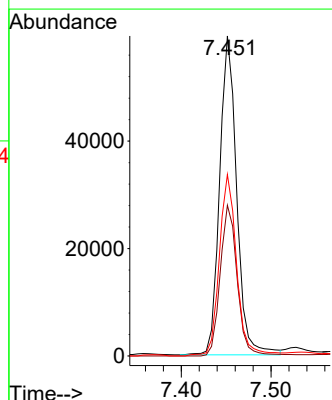
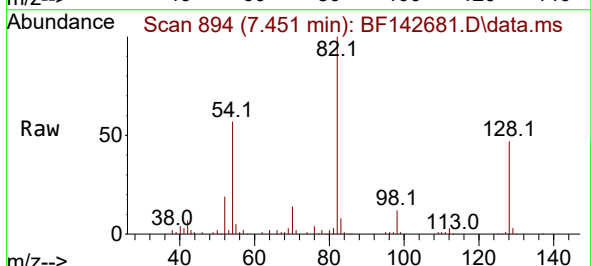
Tgt Ion: 82 Resp: 78428

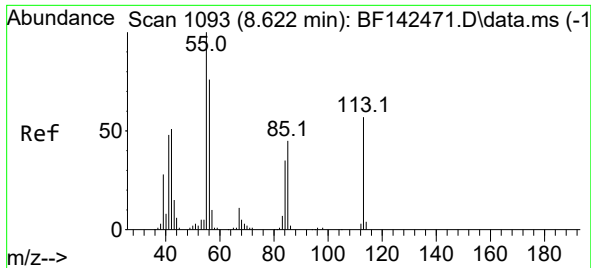
Ion Ratio Lower Upper

82 100

128 47.1 37.4 56.2

54 56.7 46.6 70.0

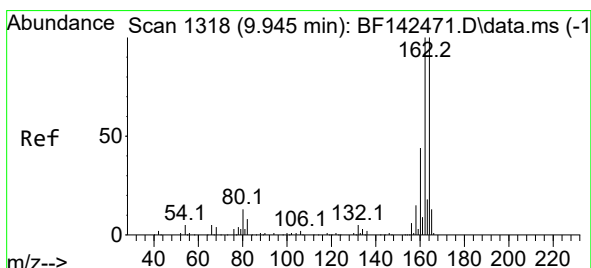
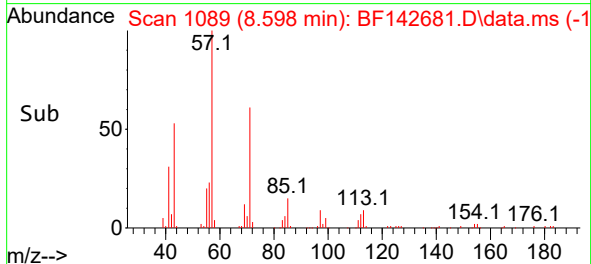
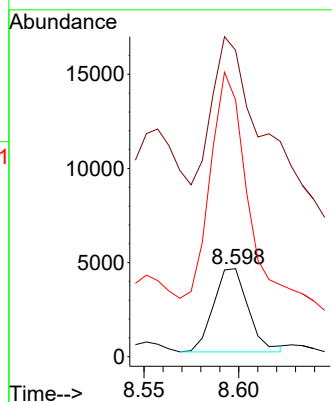
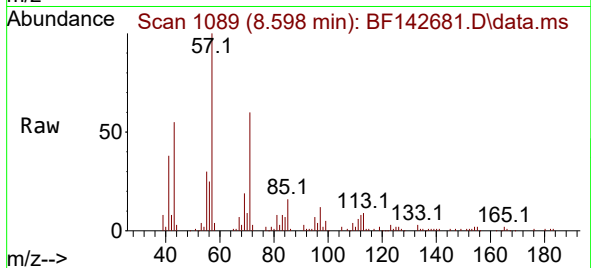




#35
 Caprolactam
 Concen: 3.607 ng
 RT: 8.598 min Scan# 1093
 Delta R.T. -0.047 min
 Lab File: BF142681.D
 Acq: 07 Jun 2025 09:58

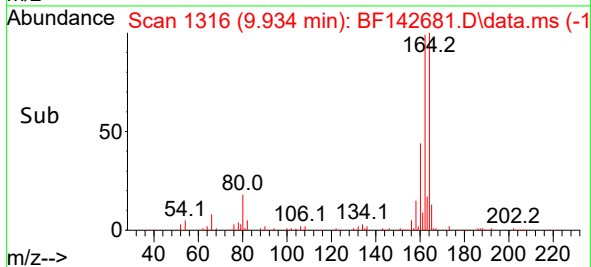
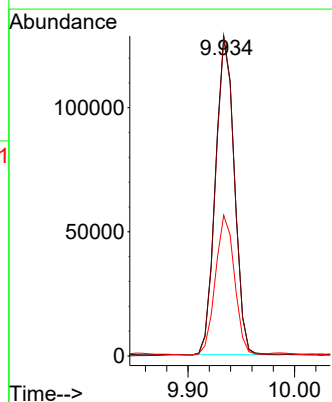
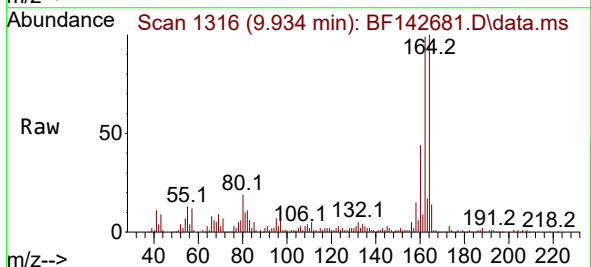
Instrument :
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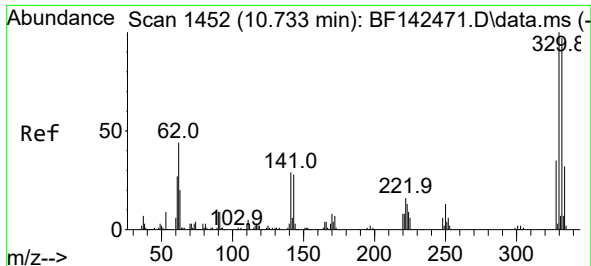
Tgt Ion:113 Resp: 5662
 Ion Ratio Lower Upper
 113 100
 55 348.1 154.7 194.7#
 56 291.7 113.2 153.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.934 min Scan# 1316
 Delta R.T. -0.012 min
 Lab File: BF142681.D
 Acq: 07 Jun 2025 09:58

Tgt Ion:164 Resp: 158110
 Ion Ratio Lower Upper
 164 100
 162 99.1 80.2 120.4
 160 44.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 15.218 ng

RT: 10.722 min Scan# 14

Delta R.T. -0.017 min

Lab File: BF142681.D

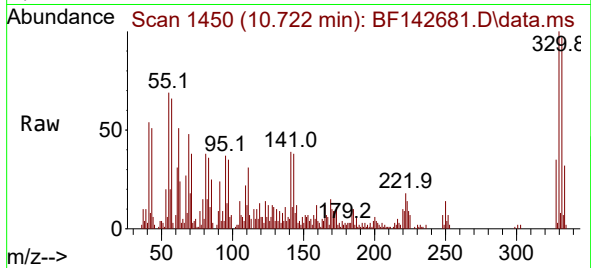
Acq: 07 Jun 2025 09:58

Instrument :

BNA_F

ClientSampleId :

HR-01-06042025



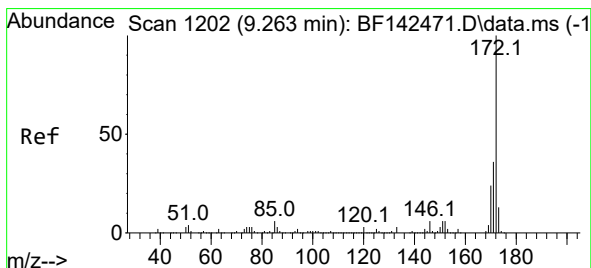
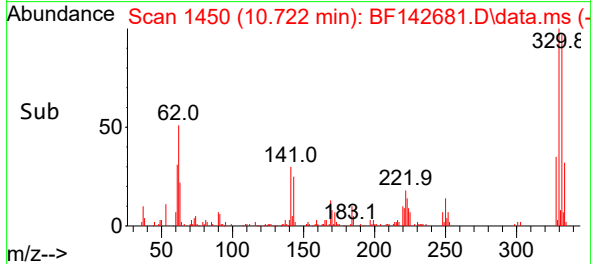
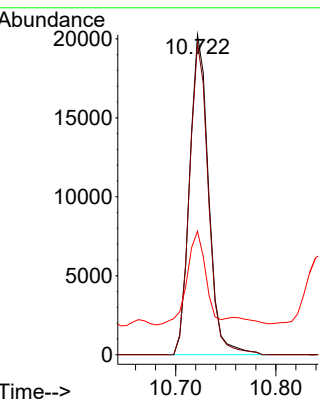
Tgt Ion:330 Resp: 26704

Ion Ratio Lower Upper

330 100

332 97.2 77.6 116.4

141 28.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 14.136 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142681.D

Acq: 07 Jun 2025 09:58

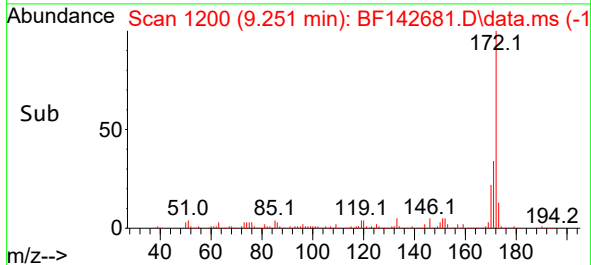
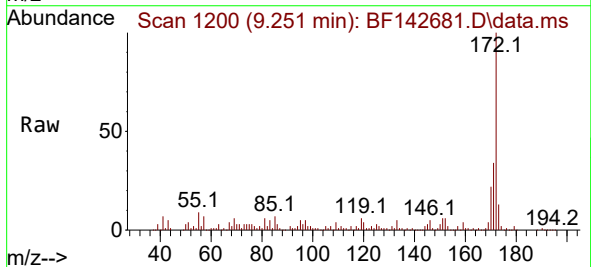
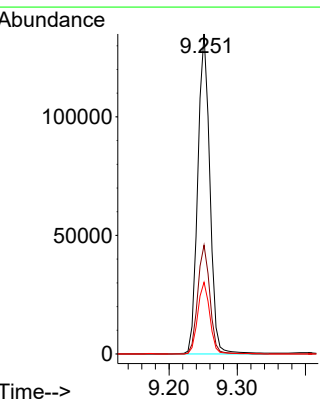
Tgt Ion:172 Resp: 166568

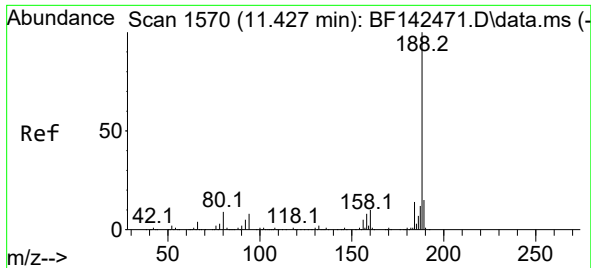
Ion Ratio Lower Upper

172 100

171 34.0 28.6 42.8

170 22.4 18.9 28.3

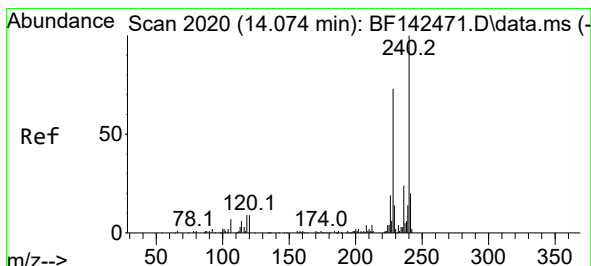
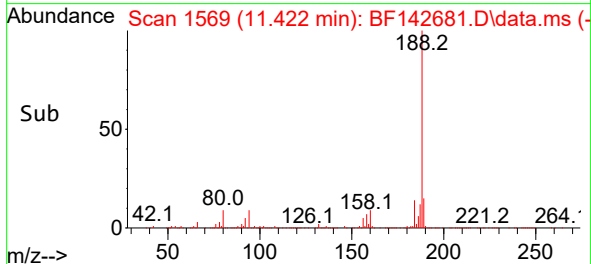
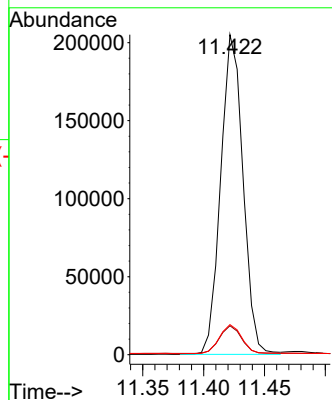
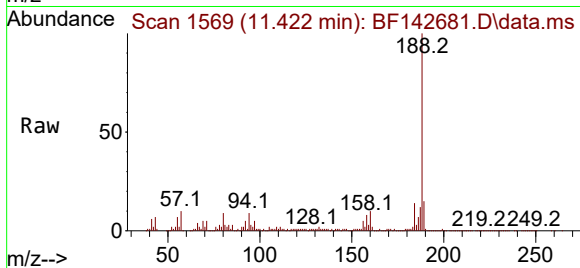




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142681.D
Acq: 07 Jun 2025 09:58

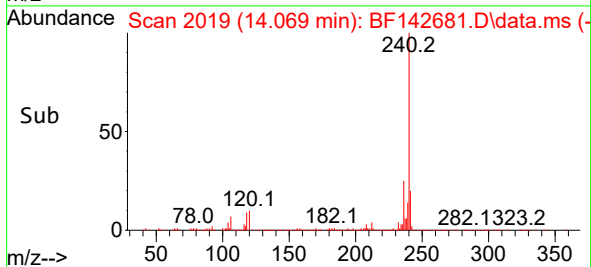
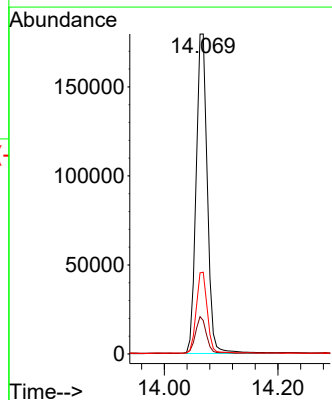
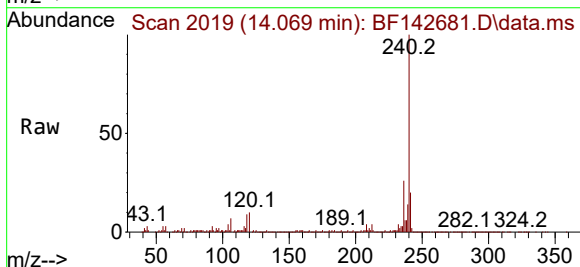
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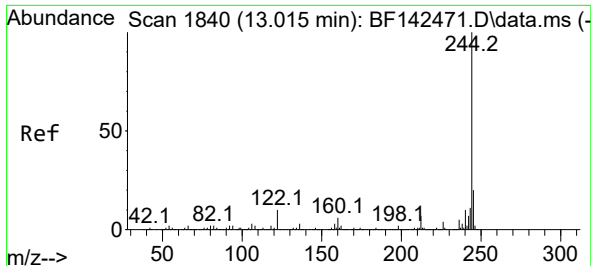
Tgt Ion:188 Resp: 261182
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.4 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142681.D
Acq: 07 Jun 2025 09:58

Tgt Ion:240 Resp: 248515
Ion Ratio Lower Upper
240 100
120 10.4 7.5 11.3
236 25.5 19.6 29.4

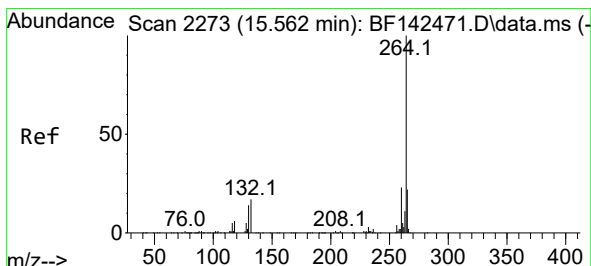
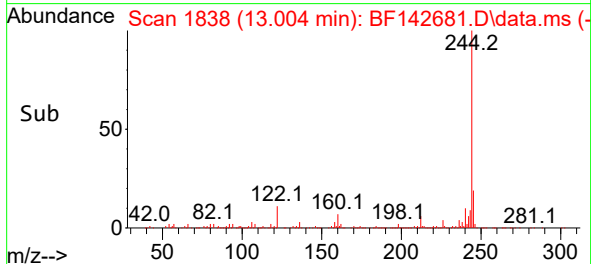
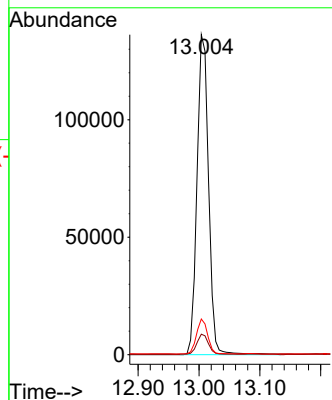
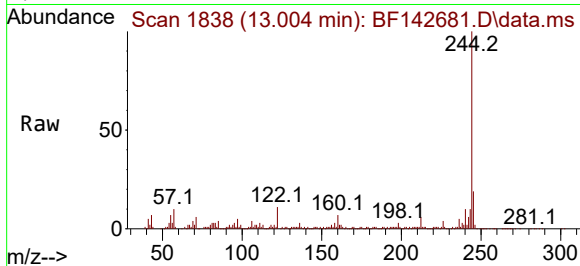




#79
 Terphenyl-d14
 Concen: 9.876 ng
 RT: 13.004 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF142681.D
 Acq: 07 Jun 2025 09:58

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-06042025

Tgt Ion:244 Resp: 179596
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 11.2 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142681.D
 Acq: 07 Jun 2025 09:58

Tgt Ion:264 Resp: 174505
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.5 17.7 26.5

