

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142682.D
 Acq On : 07 Jun 2025 10:27
 Operator : RC/JU
 Sample : Q2223-03 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-06042025

Quant Time: Jun 09 01:04:50 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)

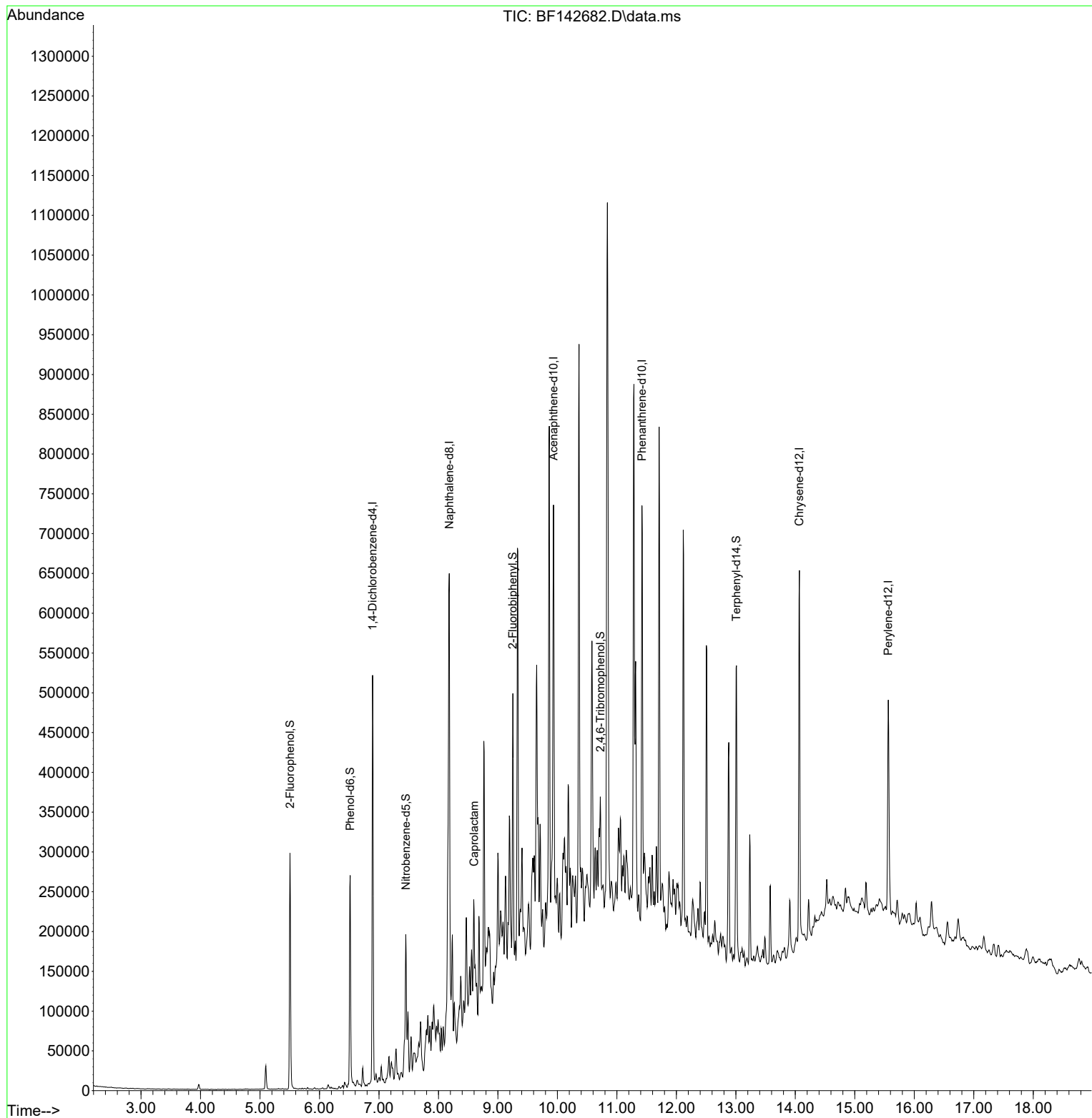
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	111723	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	356027	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	152157	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	268223	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	239882	20.000	ng	0.00
86) Perylene-d12	15.563	264	171013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	116877	17.625	ng	-0.01
7) Phenol-d6	6.516	99	131763	16.506	ng	-0.02
23) Nitrobenzene-d5	7.451	82	73541	11.263	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	27891	16.516	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	153365	13.525	ng	-0.02
79) Terphenyl-d14	13.010	244	184729	10.524	ng	0.00
Target Compounds						
35) Caprolactam	8.598	113	4136	2.918	ng	Qvalue # 1

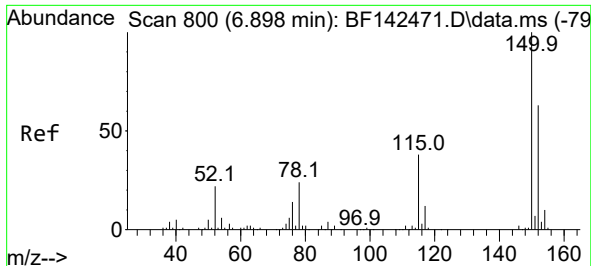
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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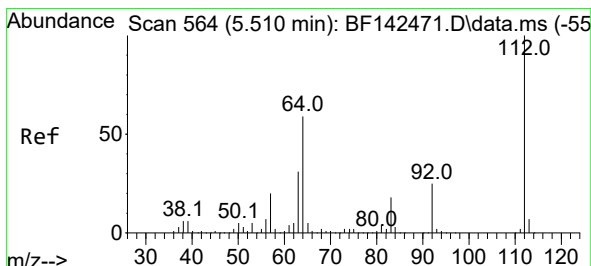
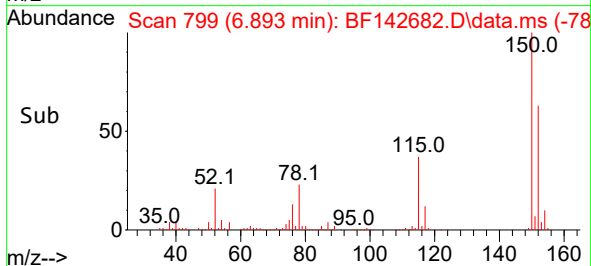
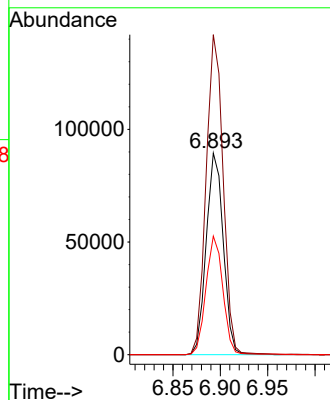
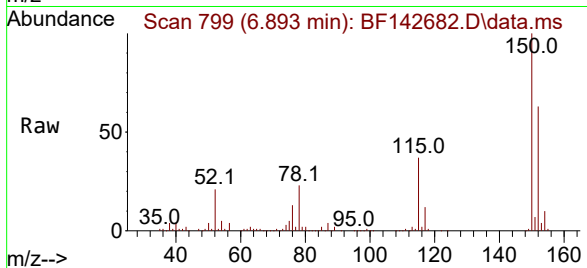




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142682.D
Acq: 07 Jun 2025 10:27

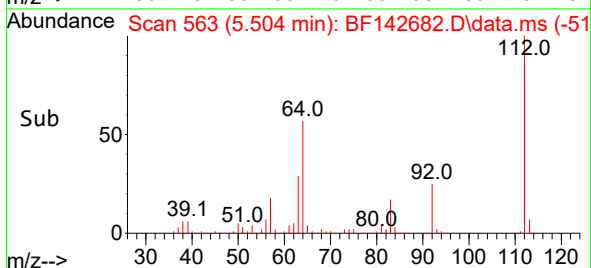
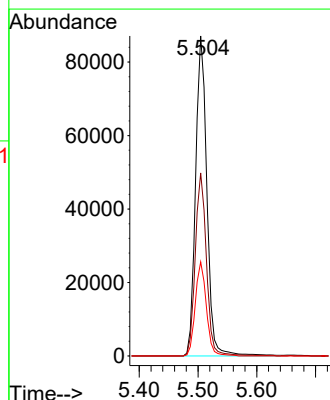
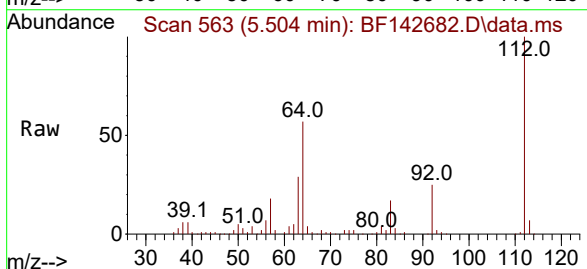
Instrument :
BNA_F
ClientSampleId :
HR-04-06042025

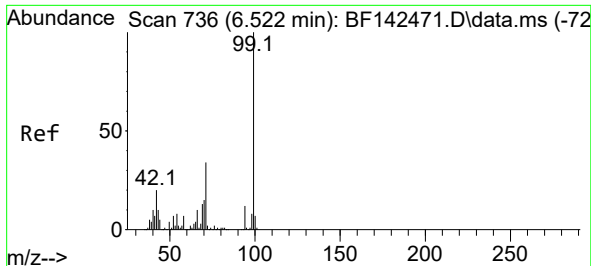
Tgt Ion:152 Resp: 111723
Ion Ratio Lower Upper
152 100
150 158.8 128.2 192.4
115 58.8 48.3 72.5



#5
2-Fluorophenol
Concen: 17.625 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142682.D
Acq: 07 Jun 2025 10:27

Tgt Ion:112 Resp: 116877
Ion Ratio Lower Upper
112 100
64 57.2 47.5 71.3
63 29.4 24.9 37.3

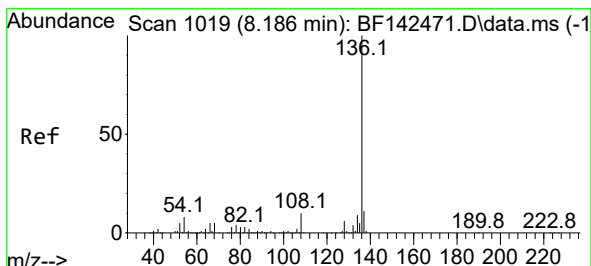
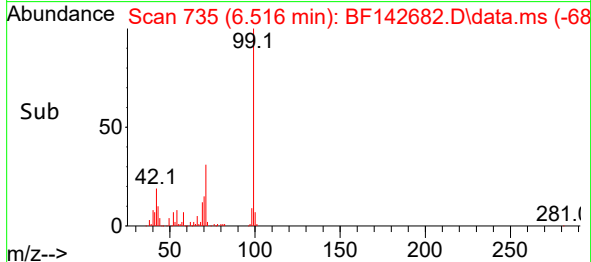
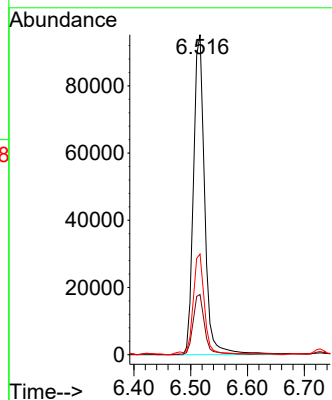
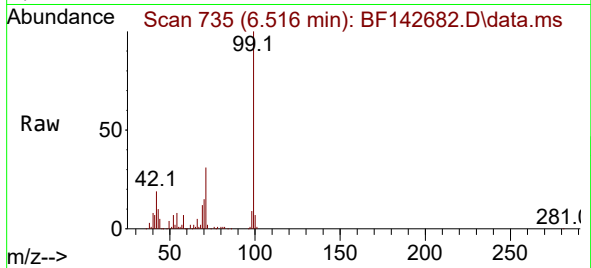




#7
Phenol-d6
Concen: 16.506 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142682.D
Acq: 07 Jun 2025 10:27

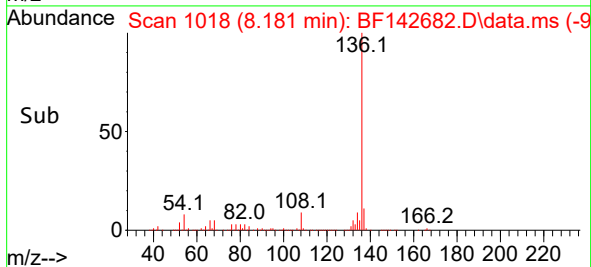
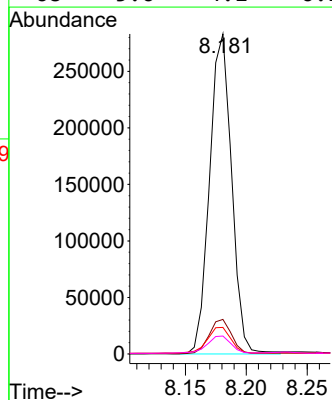
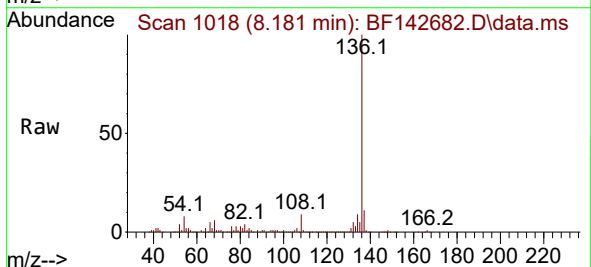
Instrument :
BNA_F
ClientSampleId :
HR-04-06042025

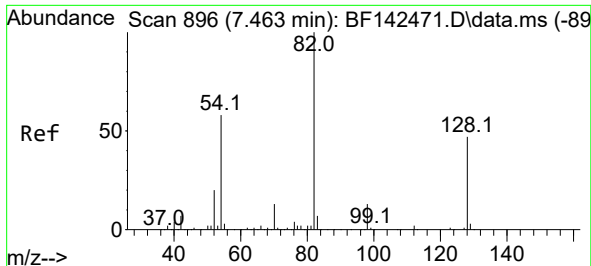
Tgt Ion: 99 Resp: 131763
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 31.4 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142682.D
Acq: 07 Jun 2025 10:27

Tgt Ion: 136 Resp: 356027
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.6 10.0
68 5.6 4.1 6.1

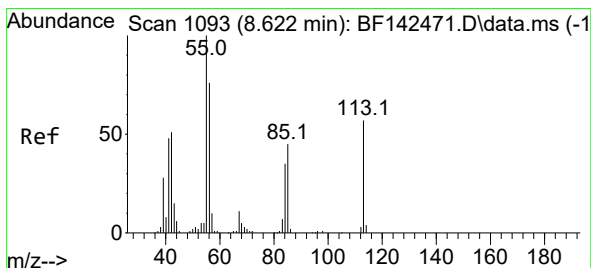
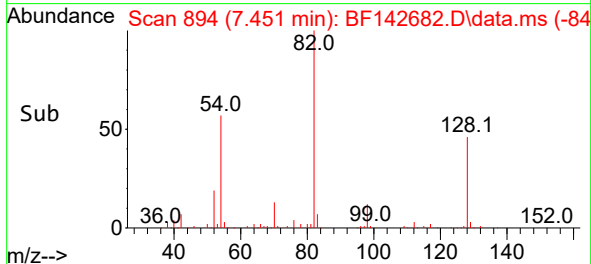
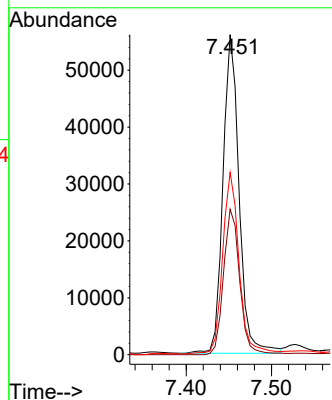
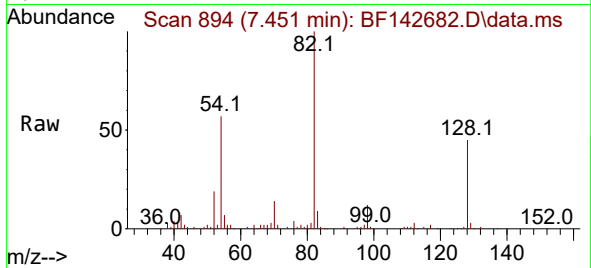




#23
Nitrobenzene-d5
Concen: 11.263 ng
RT: 7.451 min Scan# 896
Delta R.T. -0.023 min
Lab File: BF142682.D
Acq: 07 Jun 2025 10:27

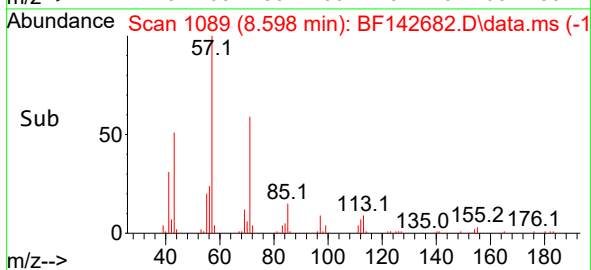
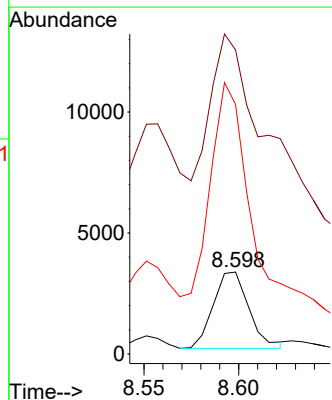
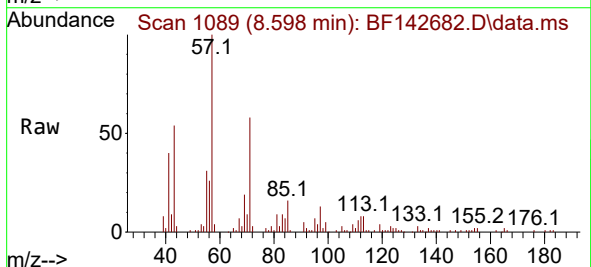
Instrument :
BNA_F
ClientSampleId :
HR-04-06042025

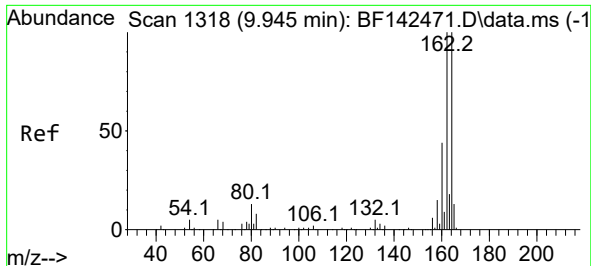
Tgt Ion: 82 Resp: 73541
Ion Ratio Lower Upper
82 100
128 45.5 37.4 56.2
54 56.9 46.6 70.0



#35
Caprolactam
Concen: 2.918 ng
RT: 8.598 min Scan# 1089
Delta R.T. -0.047 min
Lab File: BF142682.D
Acq: 07 Jun 2025 10:27

Tgt Ion: 113 Resp: 4136
Ion Ratio Lower Upper
113 100
55 371.1 154.7 194.7#
56 304.8 113.2 153.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142682.D

Acq: 07 Jun 2025 10:27

Instrument :

BNA_F

ClientSampleId :

HR-04-06042025

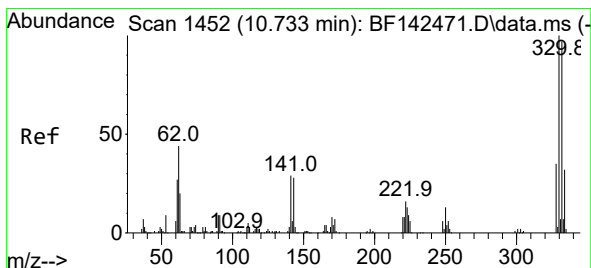
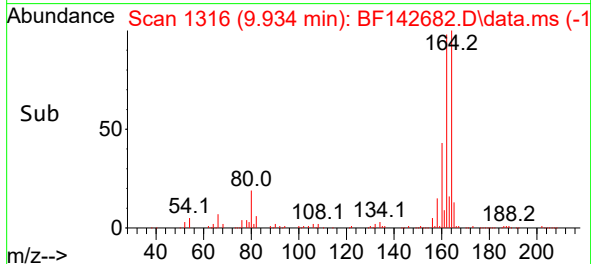
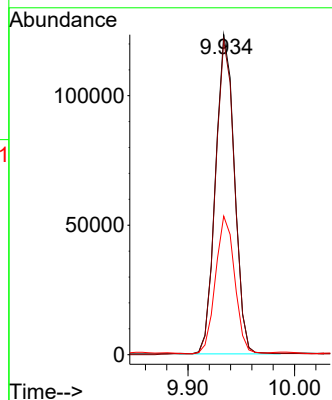
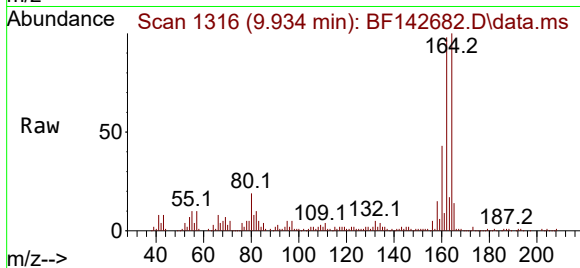
Tgt Ion:164 Resp: 152157

Ion Ratio Lower Upper

164 100

162 98.2 80.2 120.4

160 43.3 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 16.516 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.017 min

Lab File: BF142682.D

Acq: 07 Jun 2025 10:27

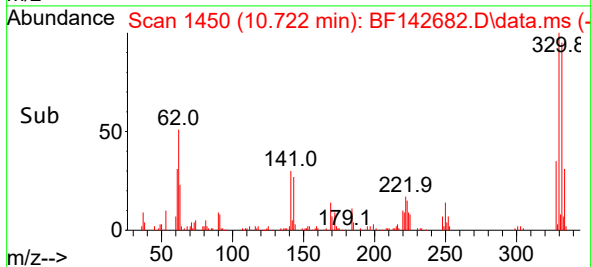
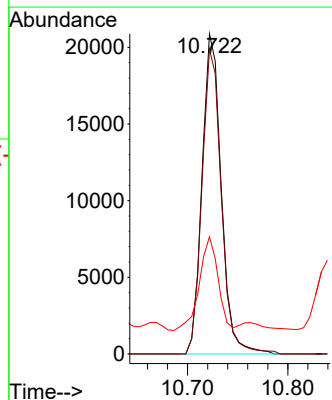
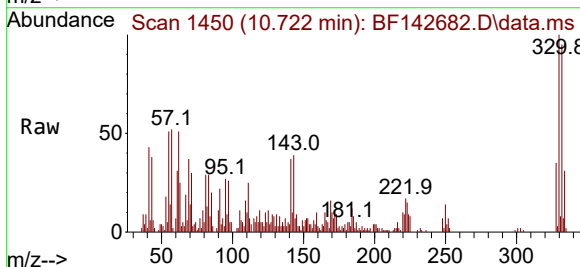
Tgt Ion:330 Resp: 27891

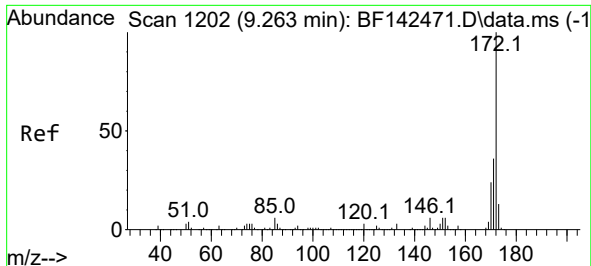
Ion Ratio Lower Upper

330 100

332 95.8 77.6 116.4

141 28.3 24.6 36.8

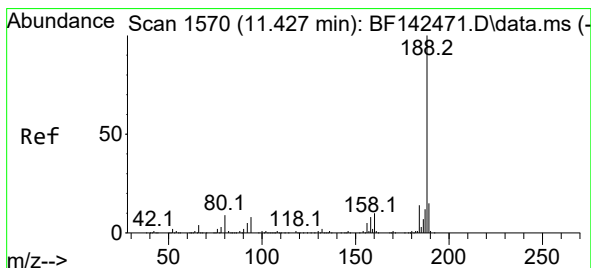
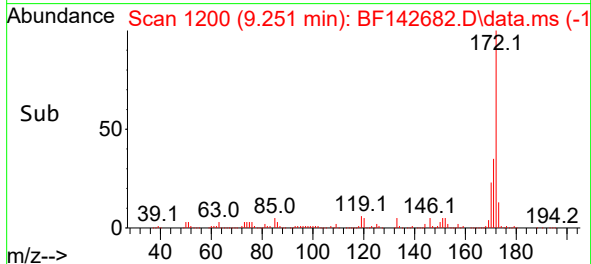
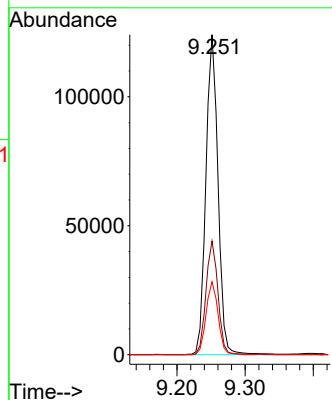
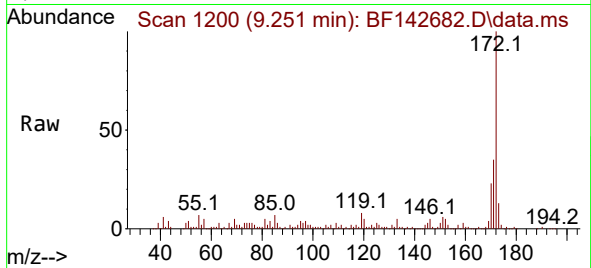




#45
2-Fluorobiphenyl
Concen: 13.525 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF142682.D
Acq: 07 Jun 2025 10:27

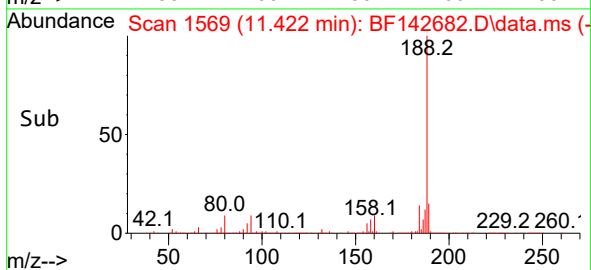
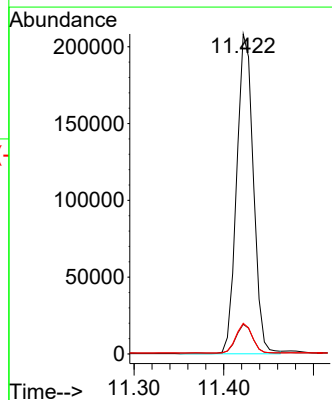
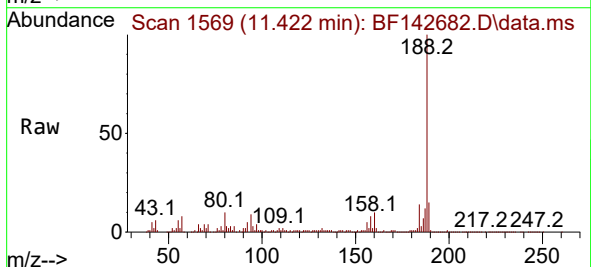
Instrument :
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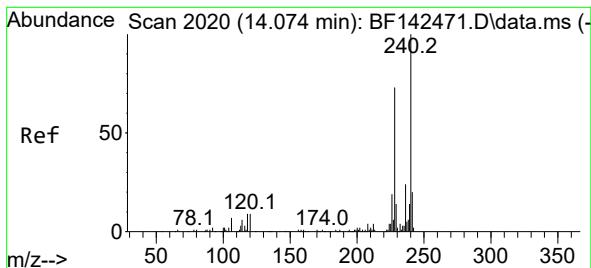
Tgt Ion:172 Resp: 153365
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 22.8 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142682.D
Acq: 07 Jun 2025 10:27

Tgt Ion:188 Resp: 268223
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.6 7.4 11.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142682.D

Acq: 07 Jun 2025 10:27

Instrument :

BNA_F

ClientSampleId :

HR-04-06042025

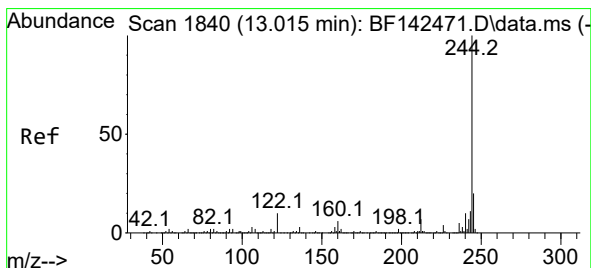
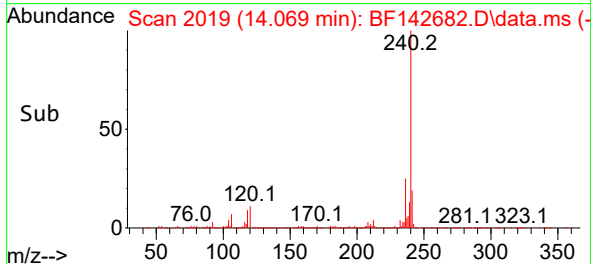
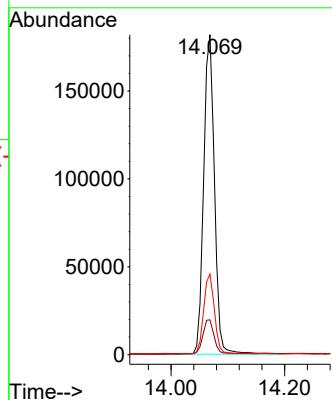
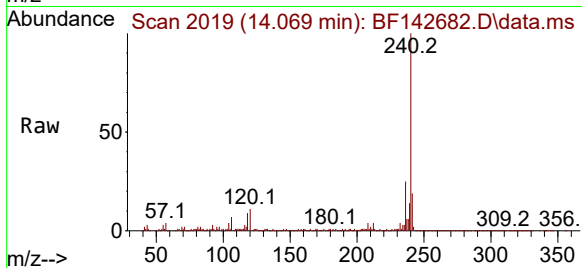
Tgt Ion:240 Resp: 239882

Ion Ratio Lower Upper

240 100

120 10.9 7.5 11.3

236 25.1 19.6 29.4



#79

Terphenyl-d14

Concen: 10.524 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142682.D

Acq: 07 Jun 2025 10:27

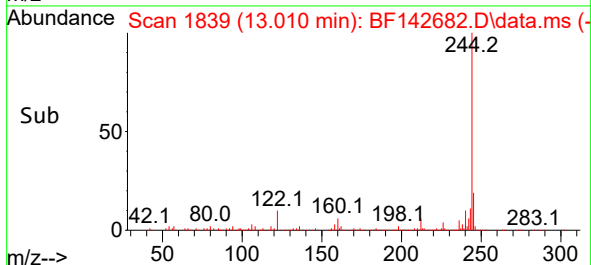
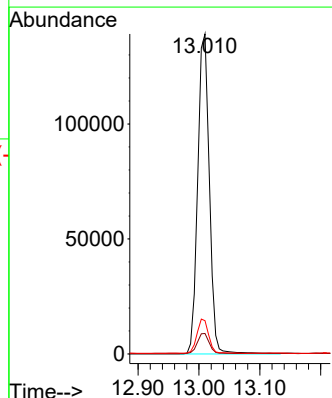
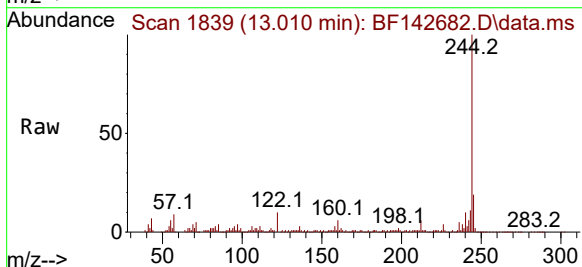
Tgt Ion:244 Resp: 184729

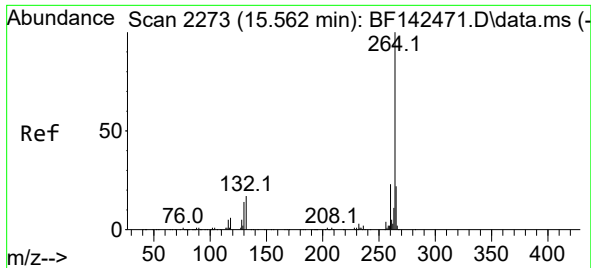
Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

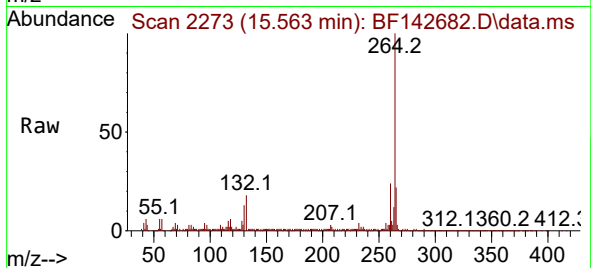
122 10.4 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142682.D
 Acq: 07 Jun 2025 10:27

Instrument :
 BNA_F
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 HR-04-06042025



Tgt Ion:	264	Resp:	171013
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	21.6	17.7	26.5

