

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142685.D
 Acq On : 07 Jun 2025 11:54
 Operator : RC/JU
 Sample : Q2206-01 5X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jun 09 01:05:32 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)

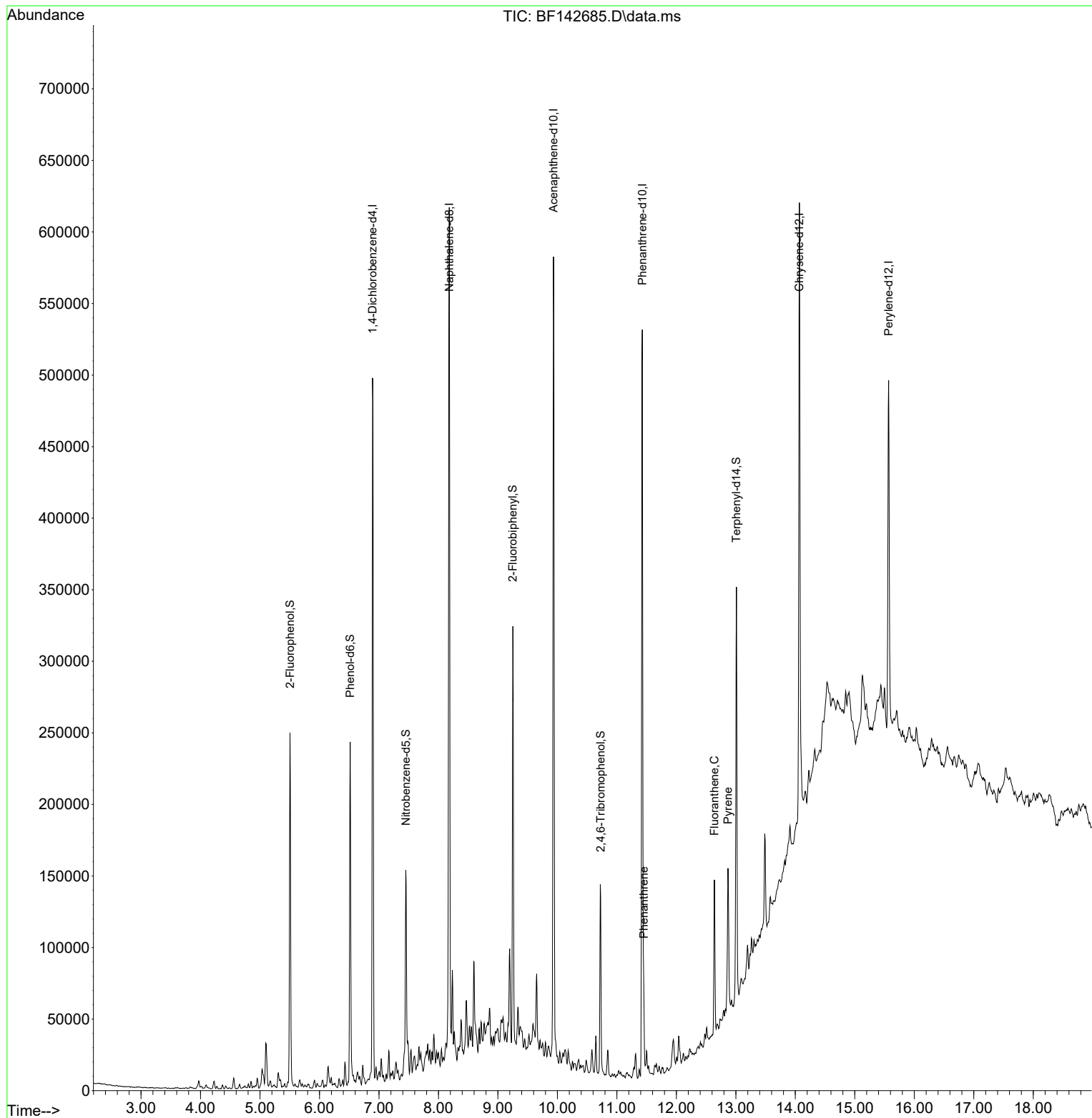
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	111169	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	372726	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	170322	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	283275	20.000	ng	0.00
76) Chrysene-d12	14.068	240	203210	20.000	ng	0.00
86) Perylene-d12	15.568	264	156690	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	96744	14.661	ng	-0.01
7) Phenol-d6	6.516	99	115626	14.557	ng	-0.02
23) Nitrobenzene-d5	7.451	82	63683	9.317	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	23384	12.370	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	135112	10.645	ng	-0.02
79) Terphenyl-d14	13.010	244	143292	9.636	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.451	178	30688	2.027	ng	99
75) Fluoranthene	12.639	202	62479	4.417	ng	98
78) Pyrene	12.868	202	57006	3.007	ng	98

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

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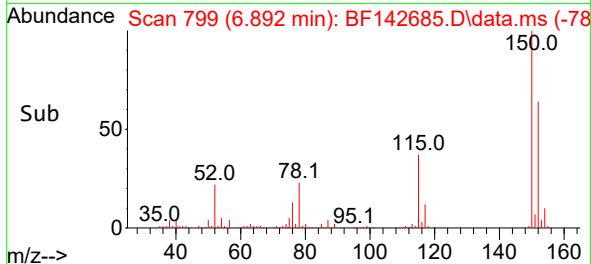
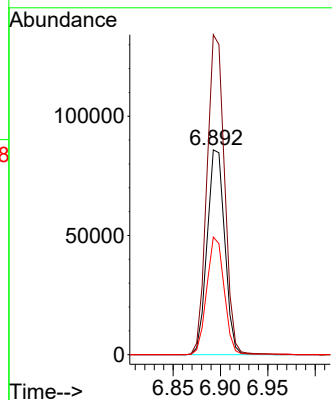
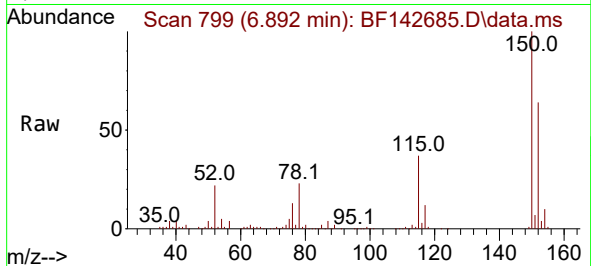




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

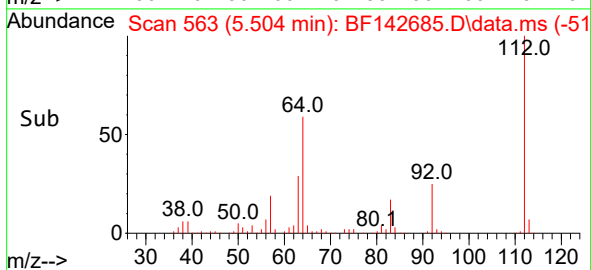
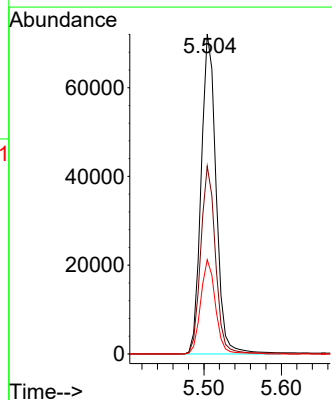
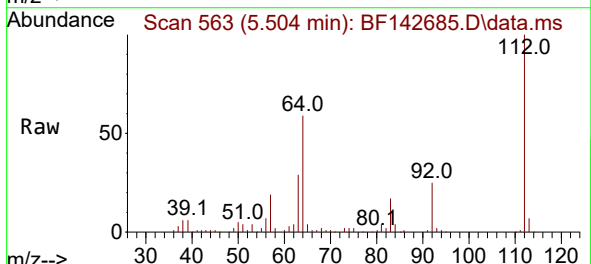
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 111169
Ion Ratio Lower Upper
152 100
150 156.3 128.2 192.4
115 57.4 48.3 72.5



#5
2-Fluorophenol
Concen: 14.661 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

Tgt Ion:112 Resp: 96744
Ion Ratio Lower Upper
112 100
64 58.7 47.5 71.3
63 29.5 24.9 37.3

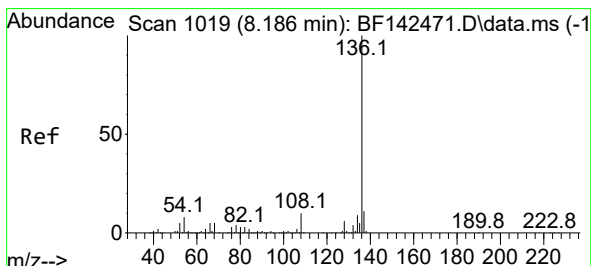
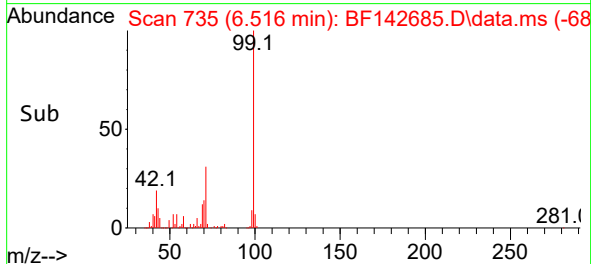
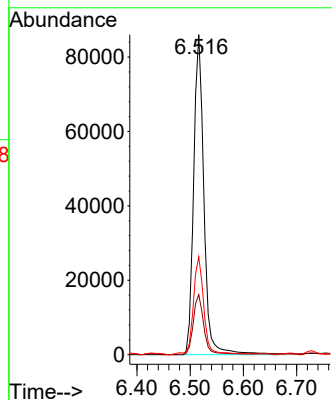
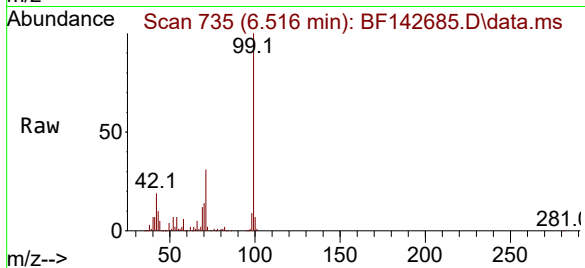




#7
Phenol-d6
Concen: 14.557 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

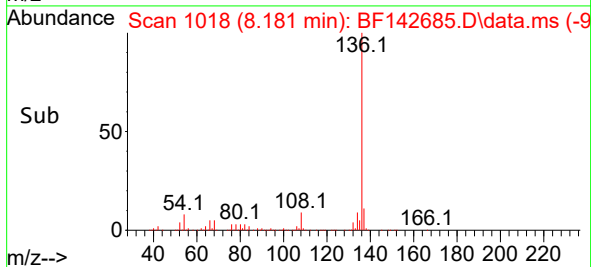
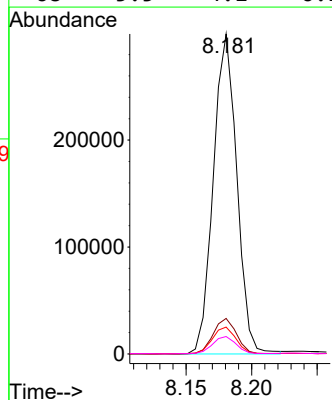
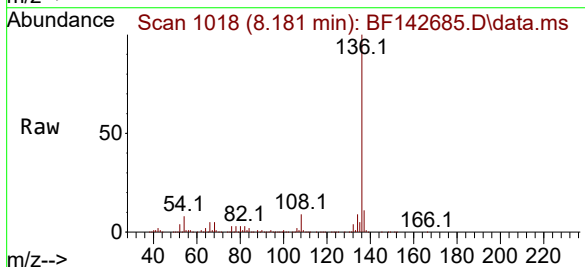
Instrument :
BNA_F
ClientSampleId :
TP-1

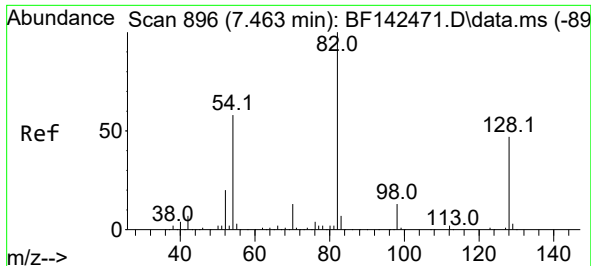
Tgt Ion: 99 Resp: 115626
Ion Ratio Lower Upper
99 100
42 18.7 16.2 24.2
71 30.6 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

Tgt Ion: 136 Resp: 372726
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.4 6.6 10.0
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 9.317 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

Instrument :

BNA_F

ClientSampleId :

TP-1

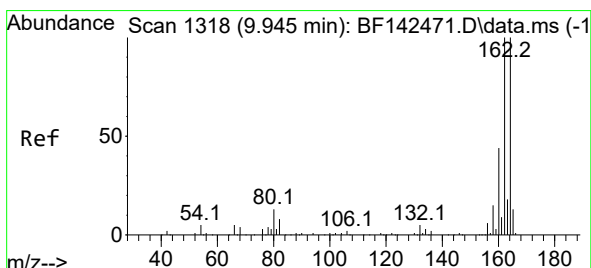
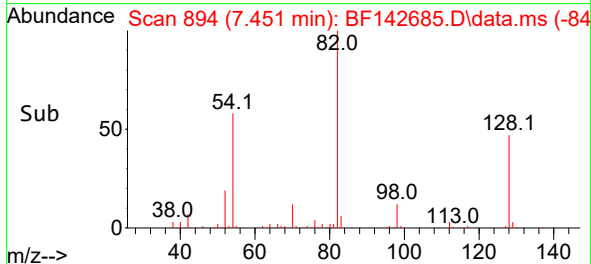
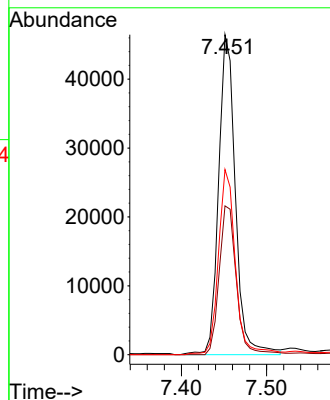
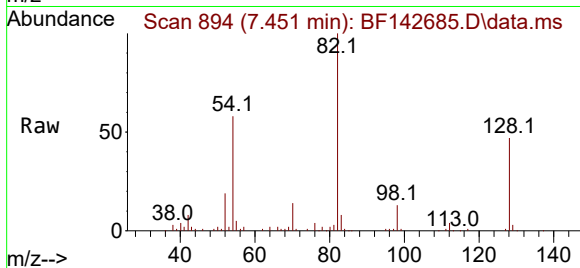
Tgt Ion: 82 Resp: 63683

Ion Ratio Lower Upper

82 100

128 46.5 37.4 56.2

54 57.9 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: BF142685.D

Acq: 07 Jun 2025 11:54

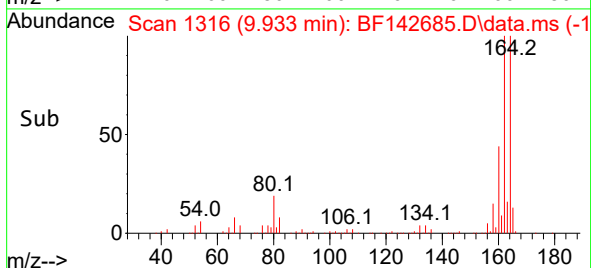
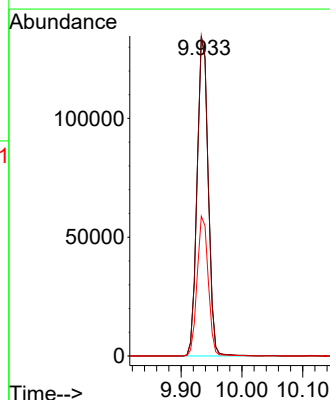
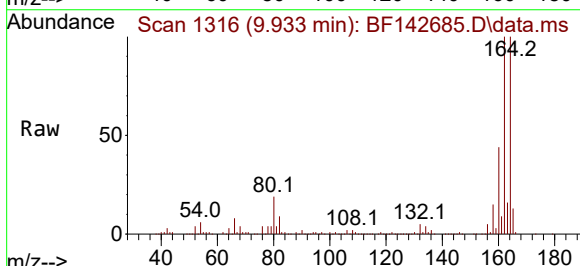
Tgt Ion:164 Resp: 170322

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.4

160 43.7 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 12.370 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

Instrument :

BNA_F

ClientSampleId :

TP-1

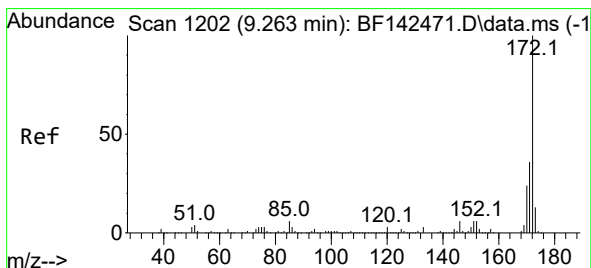
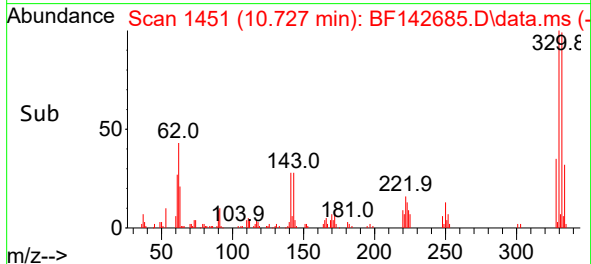
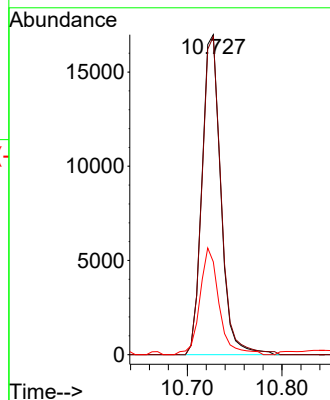
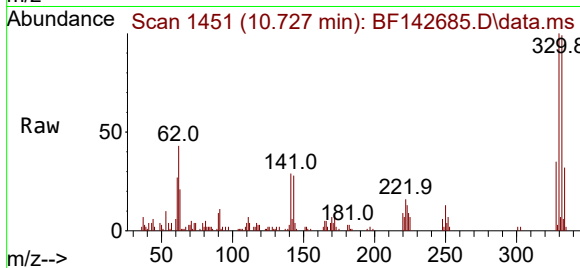
Tgt Ion:330 Resp: 23384

Ion Ratio Lower Upper

330 100

332 100.4 77.6 116.4

141 34.1 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 10.645 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

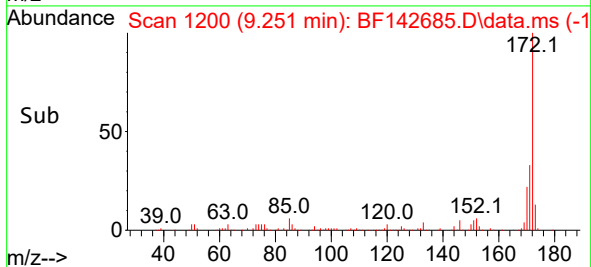
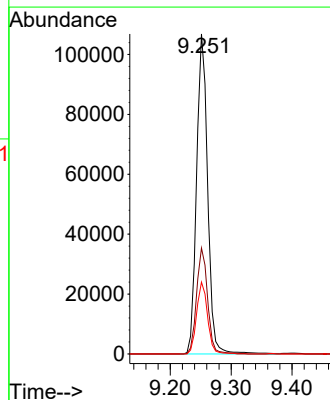
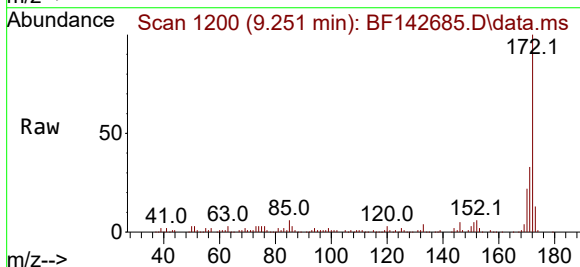
Tgt Ion:172 Resp: 135112

Ion Ratio Lower Upper

172 100

171 33.1 28.6 42.8

170 22.5 18.9 28.3

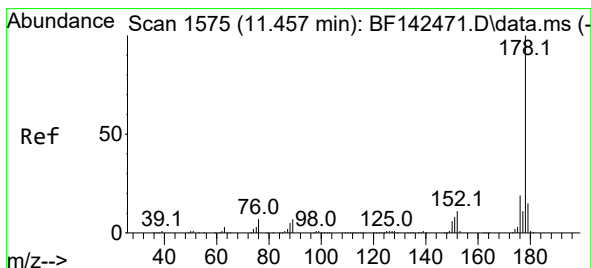
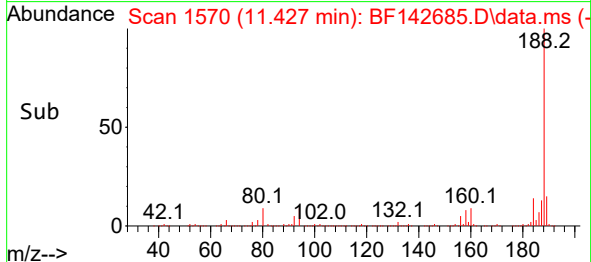
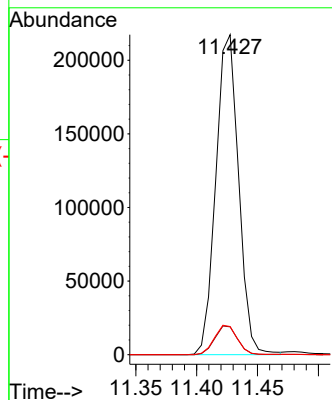
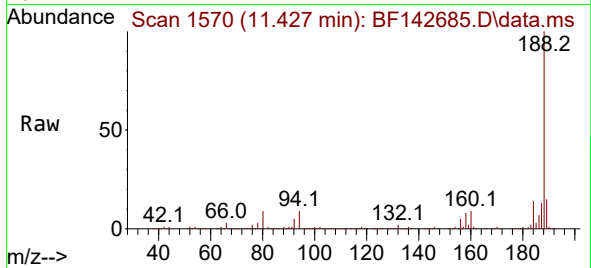




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

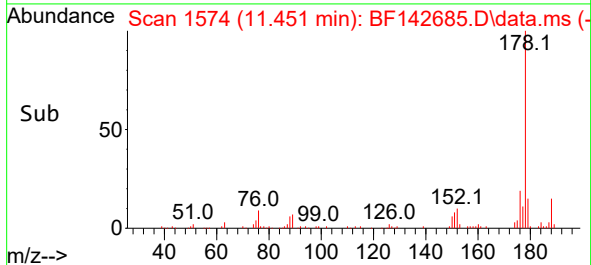
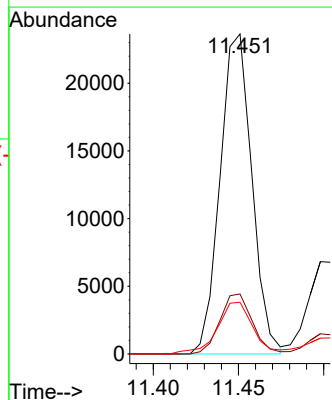
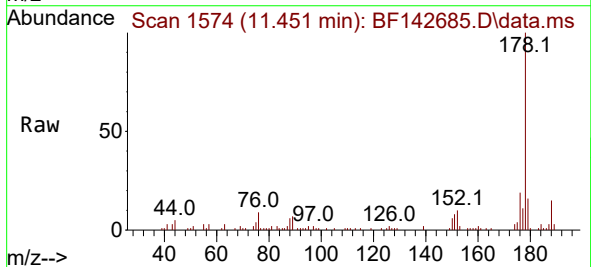
Instrument :
BNA_F
ClientSampleId :
TP-1

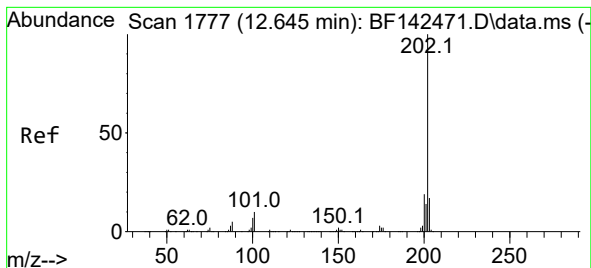
Tgt Ion:188 Resp: 283275
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 8.8 7.4 11.0



#71
Phenanthrene
Concen: 2.027 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

Tgt Ion:178 Resp: 30688
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 16.2 12.3 18.5





#75

Fluoranthene

Concen: 4.417 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

Instrument :

BNA_F

ClientSampleId :

TP-1

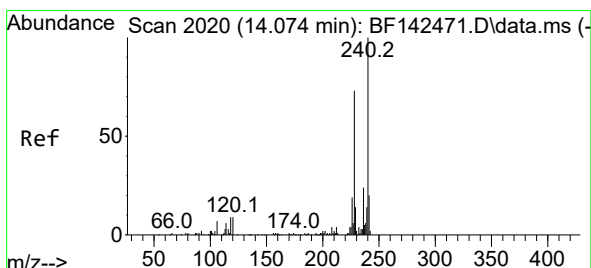
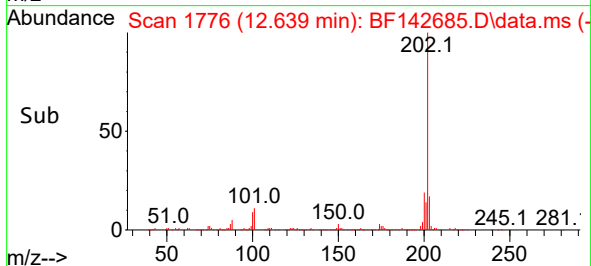
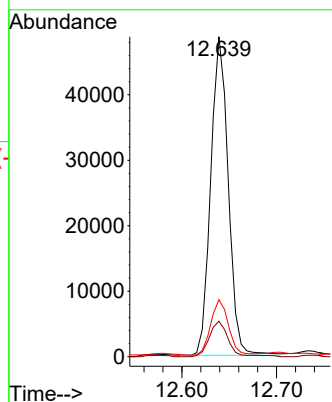
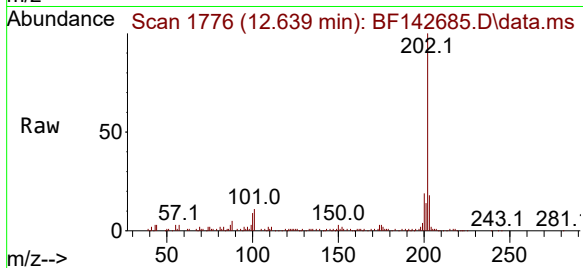
Tgt Ion:202 Resp: 62479

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.6

203 17.8 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF142685.D

Acq: 07 Jun 2025 11:54

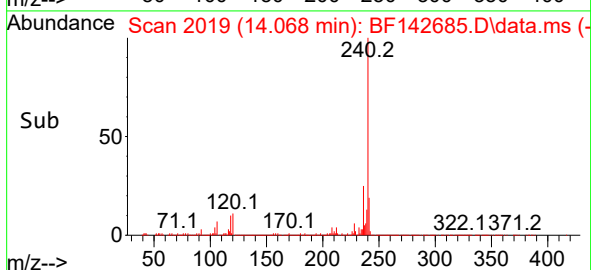
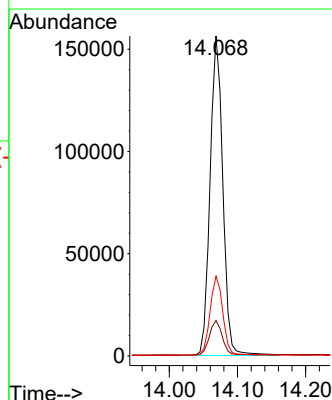
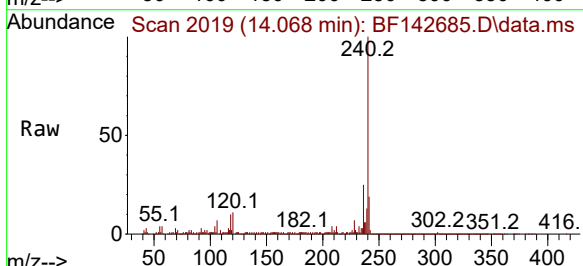
Tgt Ion:240 Resp: 203210

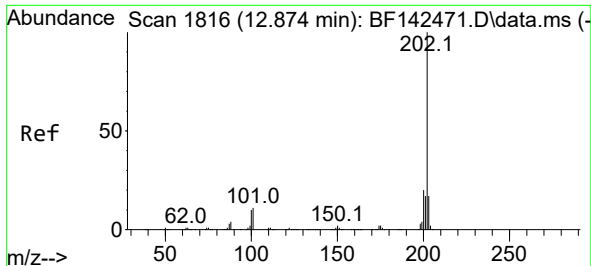
Ion Ratio Lower Upper

240 100

120 11.1 7.5 11.3

236 24.9 19.6 29.4

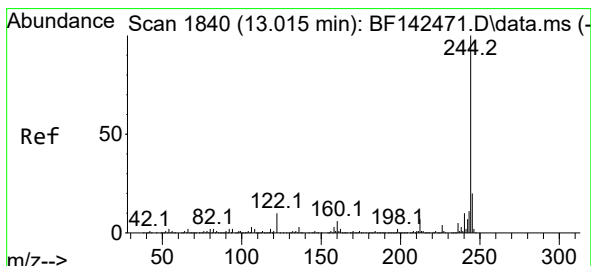
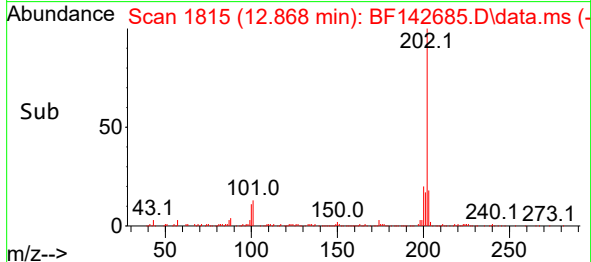
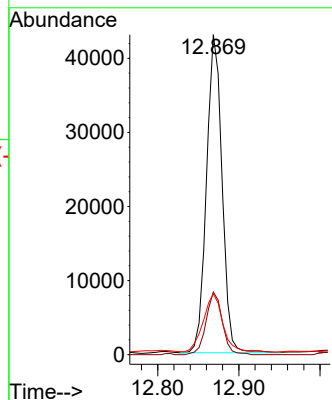
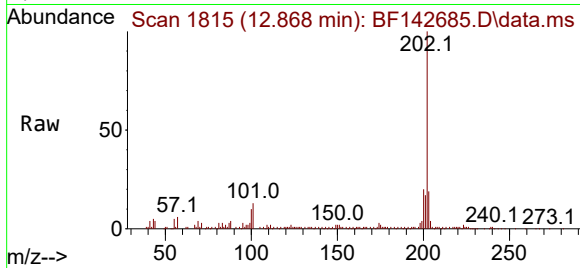




#78
Pyrene
Concen: 3.007 ng
RT: 12.868 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

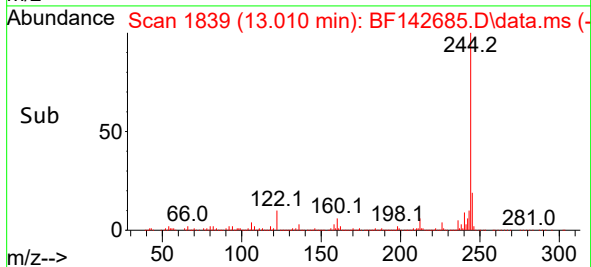
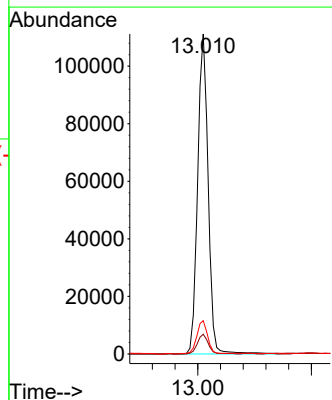
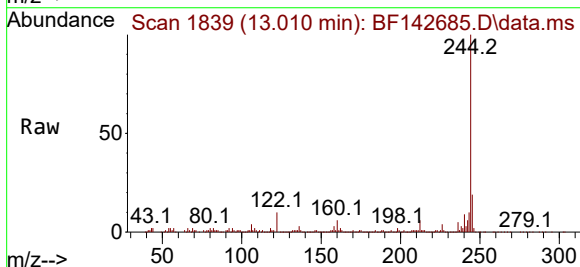
Instrument :
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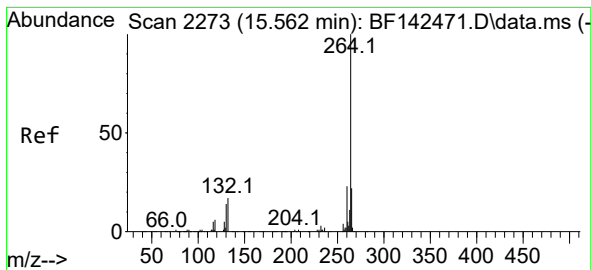
Tgt Ion:202 Resp: 57006
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 19.0 13.9 20.9



#79
Terphenyl-d14
Concen: 9.636 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142685.D
Acq: 07 Jun 2025 11:54

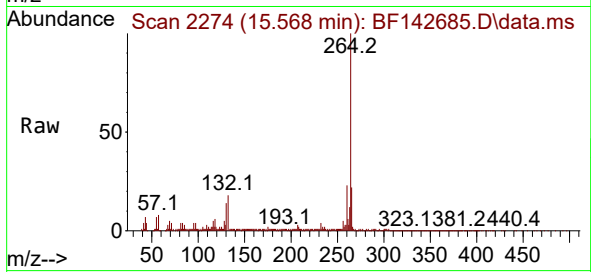
Tgt Ion:244 Resp: 143292
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 10.4 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.568 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142685.D
 Acq: 07 Jun 2025 11:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:264 Resp: 156690
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.6 17.7 26.5

