

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142672.D
 Acq On : 07 Jun 2025 05:36
 Operator : RC/JU
 Sample : Q2125-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GSB3

Quant Time: Jun 09 01:01:55 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)

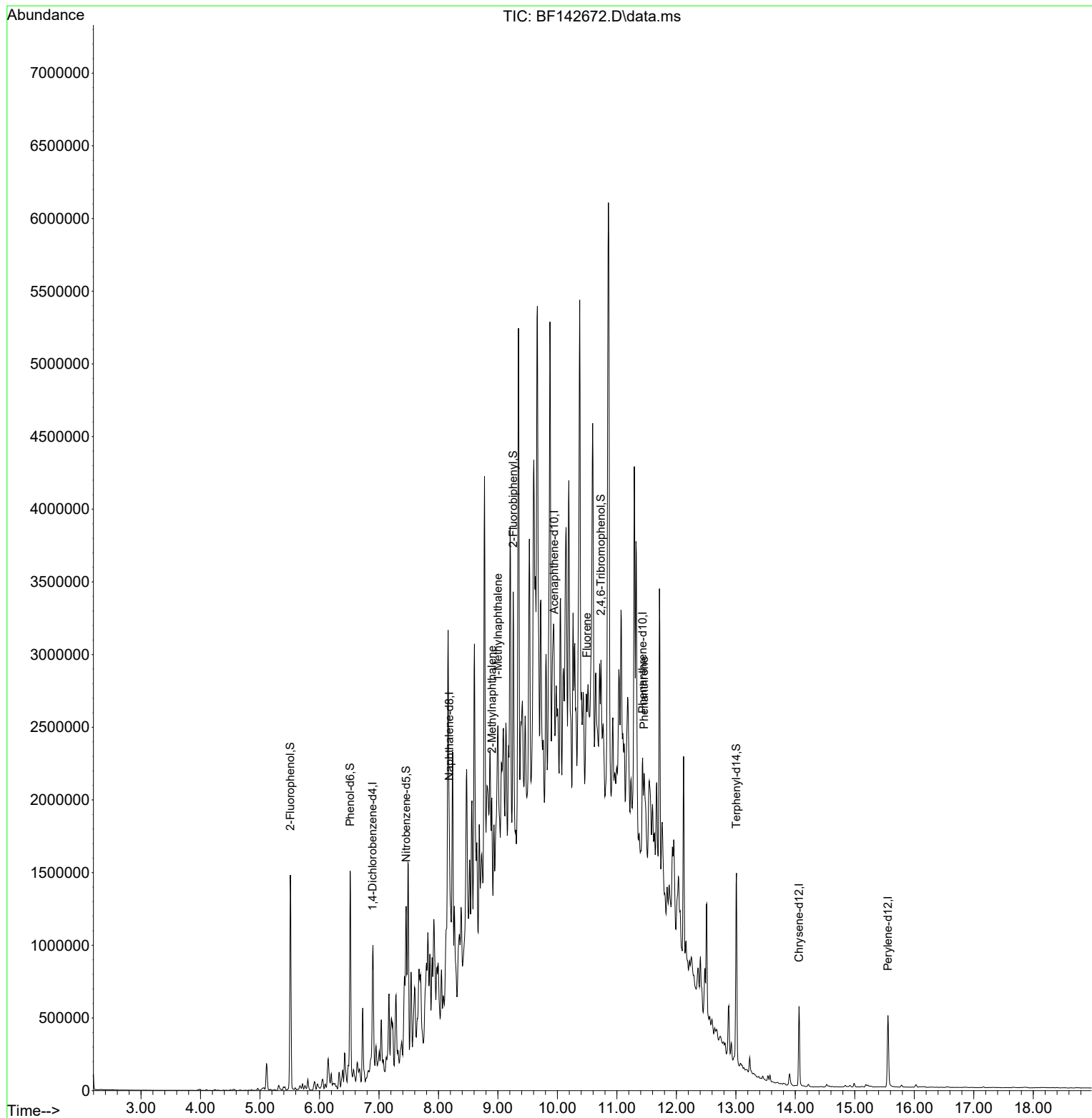
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	136874	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	458536	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	205008	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	287347	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	273748	20.000	ng	-0.01
86) Perylene-d12	15.557	264	297233	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	575999	70.899	ng	0.00
7) Phenol-d6	6.516	99	704924	72.081	ng	-0.02
23) Nitrobenzene-d5	7.457	82	427920	50.888	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	152307	66.938	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	801801	52.481	ng	-0.01
79) Terphenyl-d14	13.010	244	660614	32.978	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.898	142	317955	22.384	ng	99
38) 1-Methylnaphthalene	8.998	142	330247	22.477	ng	98
58) Fluorene	10.492	166	90448	6.715	ng	# 81
71) Phenanthrene	11.457	178	255606	16.645	ng	# 91

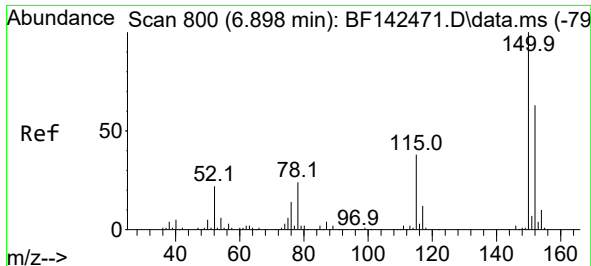
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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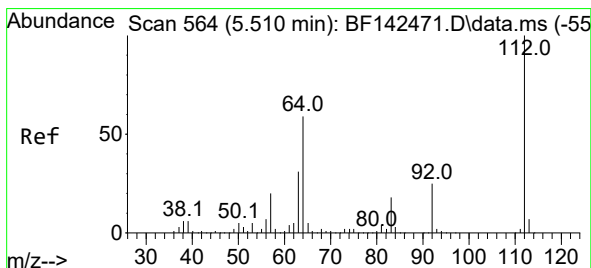
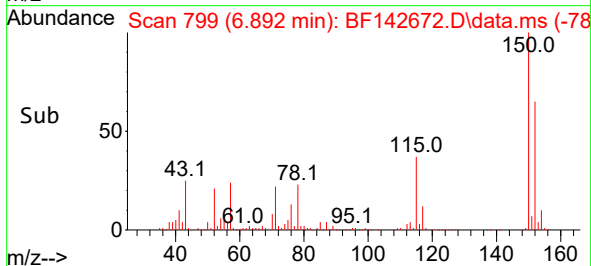
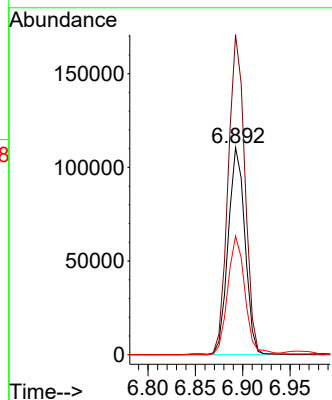
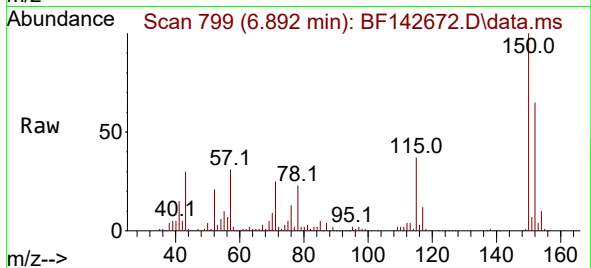




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

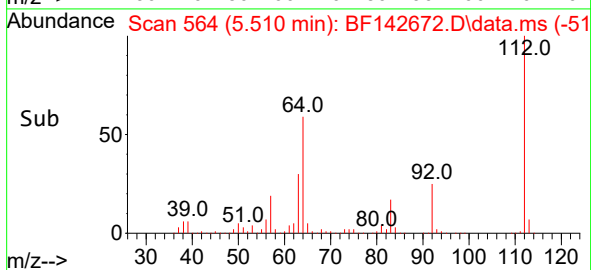
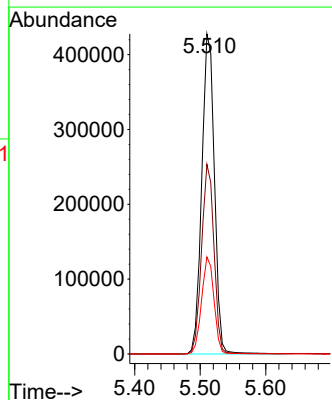
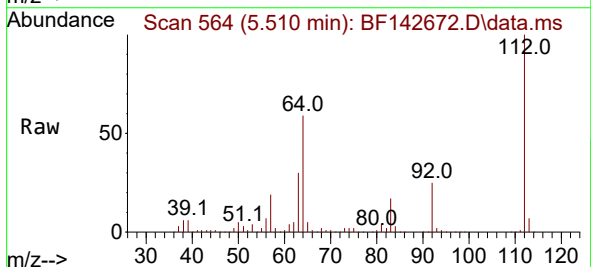
Instrument :
BNA_F
ClientSampleId :
GSB3

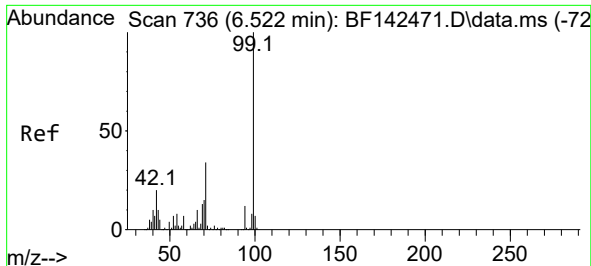
Tgt Ion:152 Resp: 136874
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 57.3 48.3 72.5



#5
2-Fluorophenol
Concen: 70.899 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:112 Resp: 575999
Ion Ratio Lower Upper
112 100
64 59.2 47.5 71.3
63 30.3 24.9 37.3

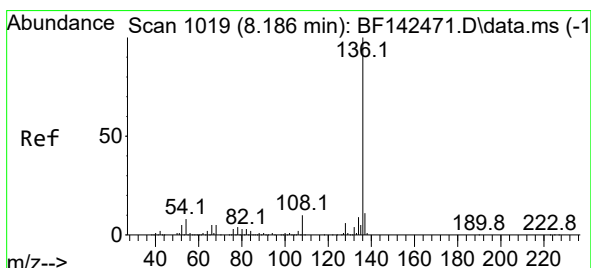
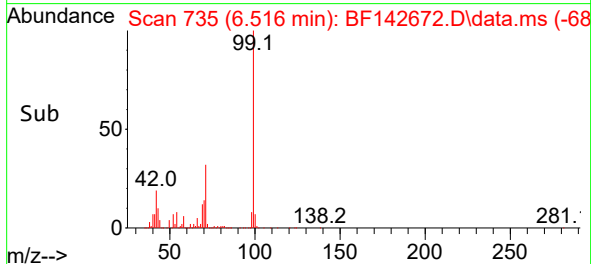
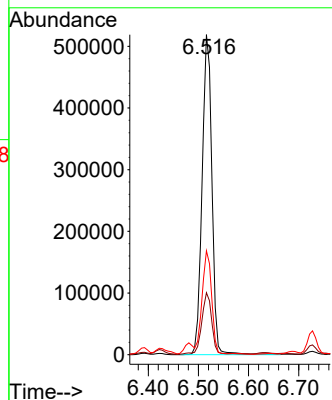
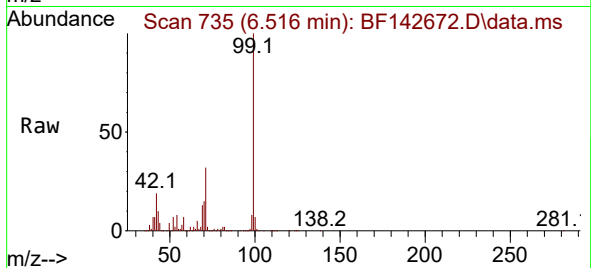




#7
Phenol-d6
Concen: 72.081 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

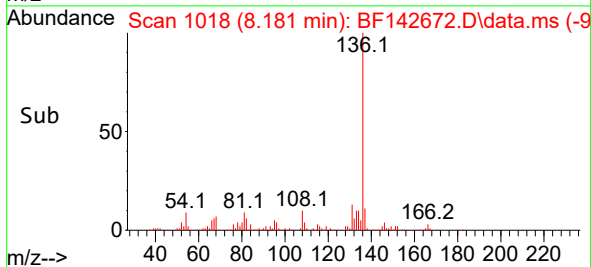
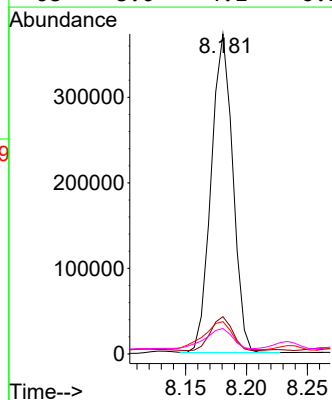
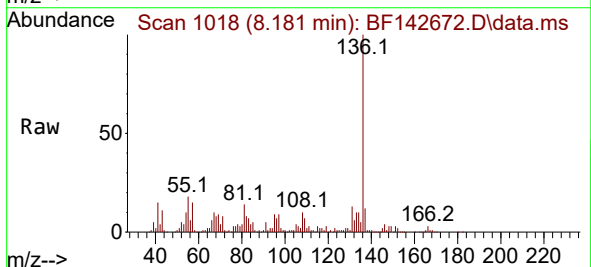
Instrument :
BNA_F
ClientSampleId :
GSB3

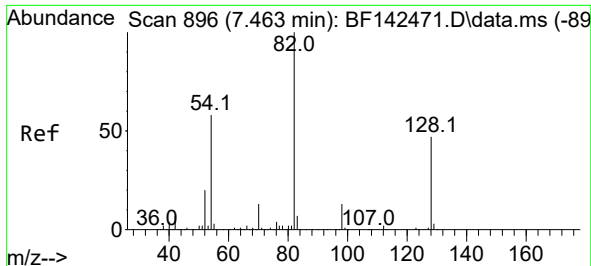
Tgt Ion: 99 Resp: 704924
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 32.4 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 136 Resp: 458536
Ion Ratio Lower Upper
136 100
137 11.7 8.6 13.0
54 10.1 6.6 10.0#
68 8.0 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 50.888 ng

RT: 7.457 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

Instrument :

BNA_F

ClientSampleId :

GSB3

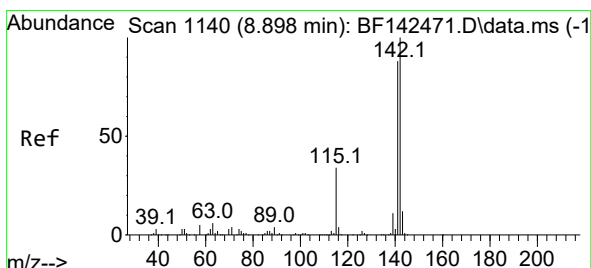
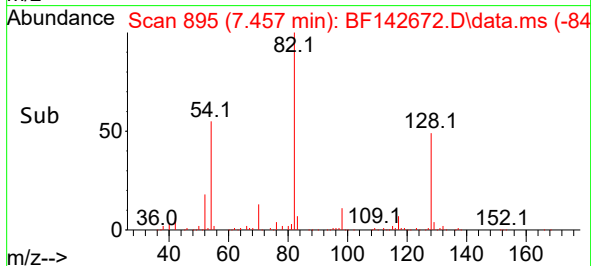
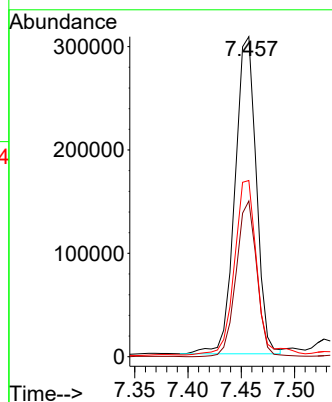
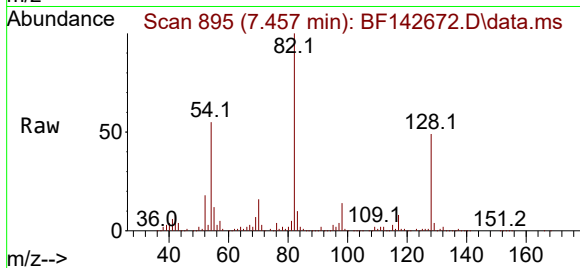
Tgt Ion: 82 Resp: 427920

Ion Ratio Lower Upper

82 100

128 48.7 37.4 56.2

54 55.1 46.6 70.0



#37

2-Methylnaphthalene

Concen: 22.384 ng

RT: 8.898 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BF142672.D

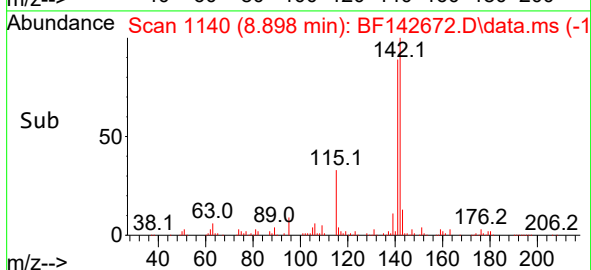
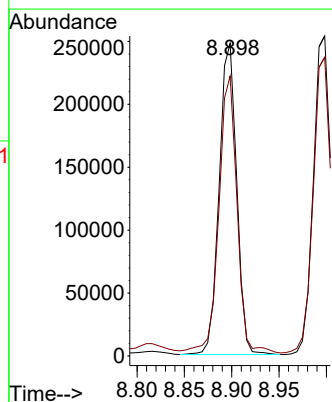
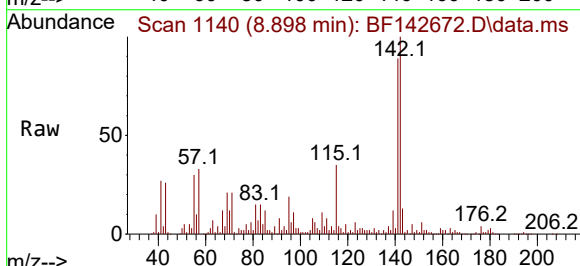
Acq: 07 Jun 2025 05:36

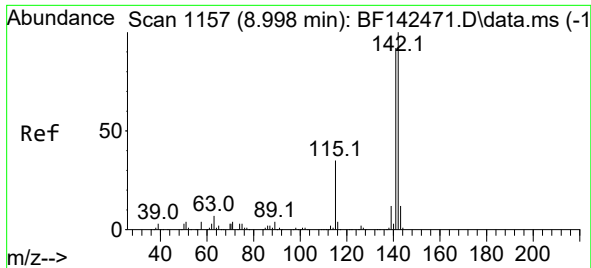
Tgt Ion:142 Resp: 317955

Ion Ratio Lower Upper

142 100

141 89.5 70.7 106.1

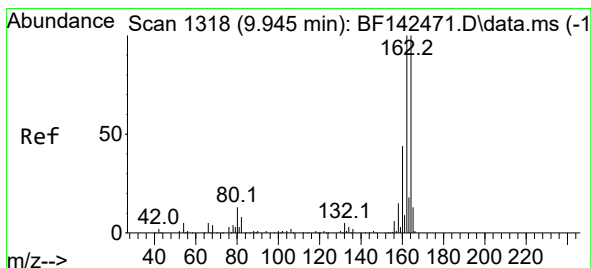
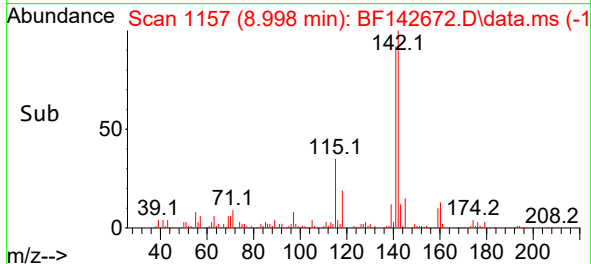
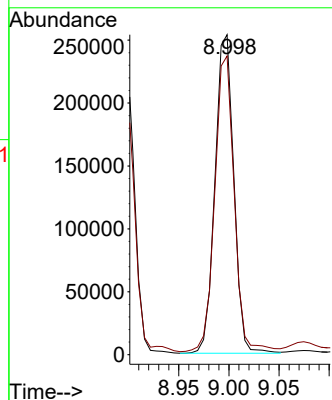
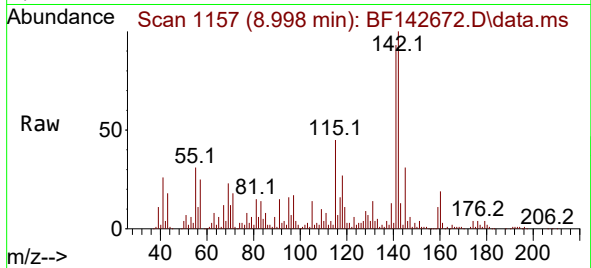




#38
1-Methylnaphthalene
Concen: 22.477 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

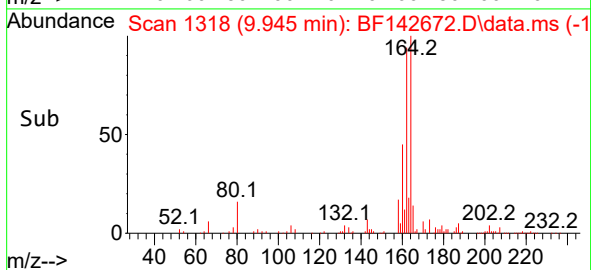
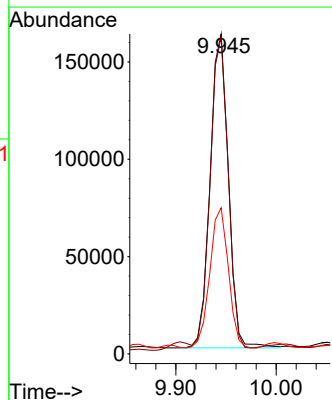
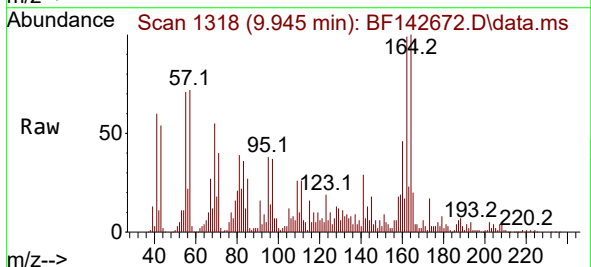
Instrument :
BNA_F
ClientSampleId :
GSB3

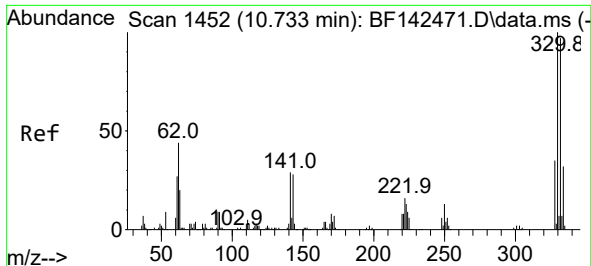
Tgt Ion:142 Resp: 330247
Ion Ratio Lower Upper
142 100
141 93.4 73.4 110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:164 Resp: 205008
Ion Ratio Lower Upper
164 100
162 99.0 80.2 120.4
160 45.7 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 66.938 ng

RT: 10.733 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF142672.D

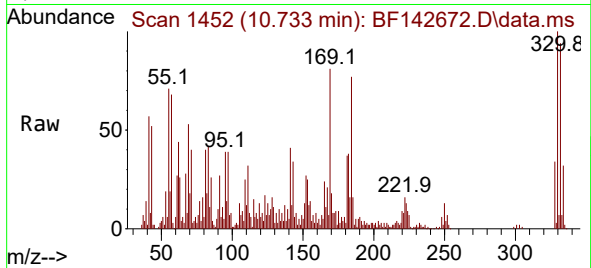
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Instrument :

BNA_F

ClientSampleId :

GSB3



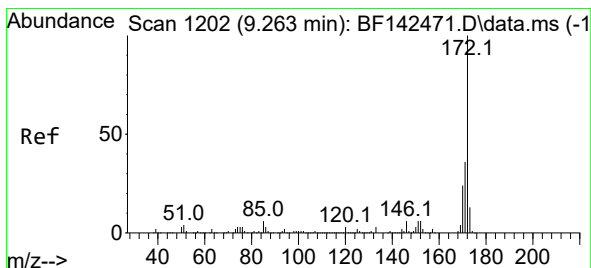
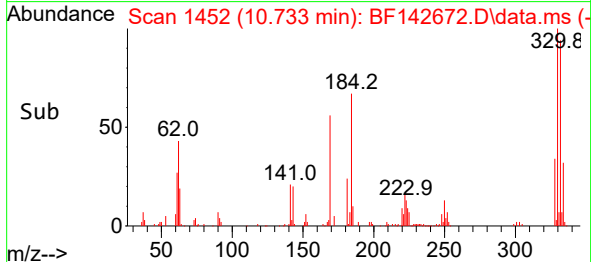
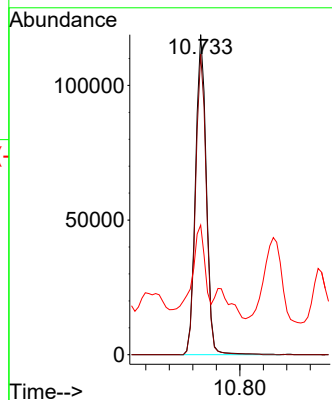
Tgt Ion:330 Resp: 152307

Ion Ratio Lower Upper

330 100

332 93.5 77.6 116.4

141 28.1 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 52.481 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

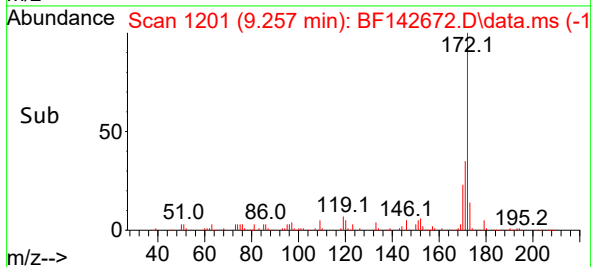
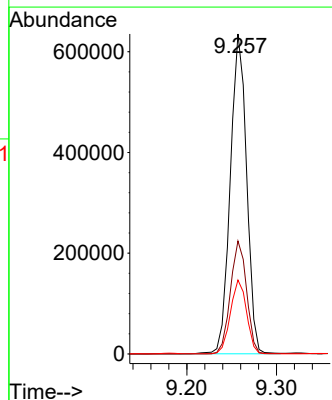
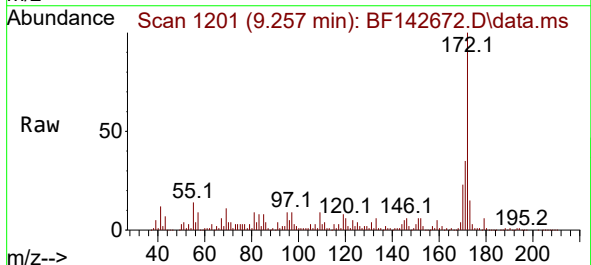
Tgt Ion:172 Resp: 801801

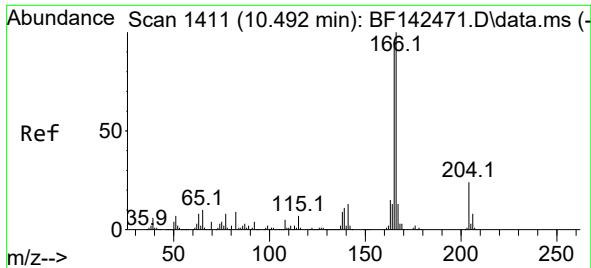
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.1 18.9 28.3

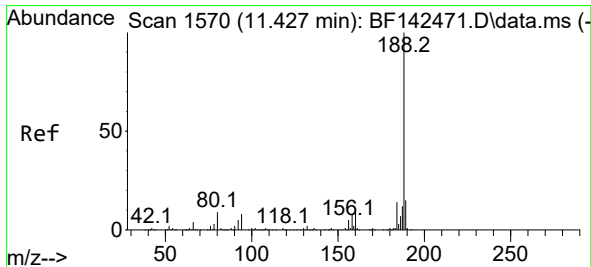
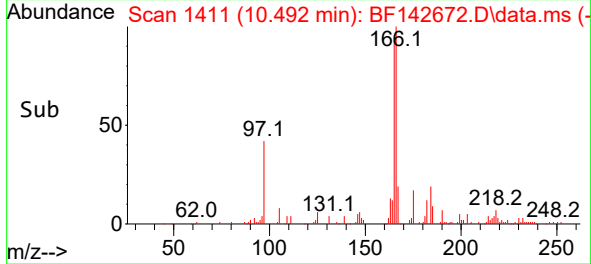
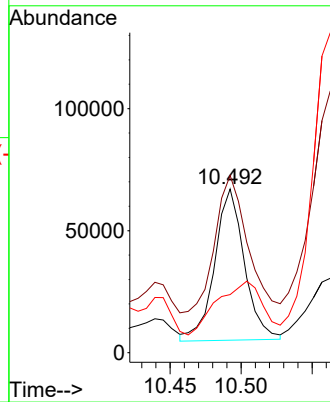
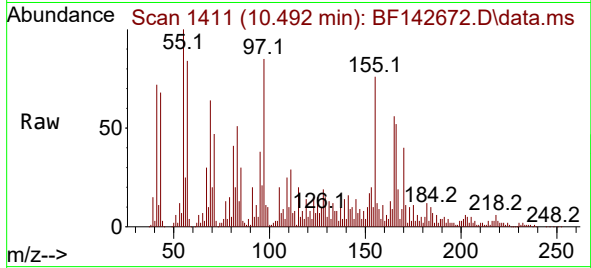




#58
Fluorene
Concen: 6.715 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

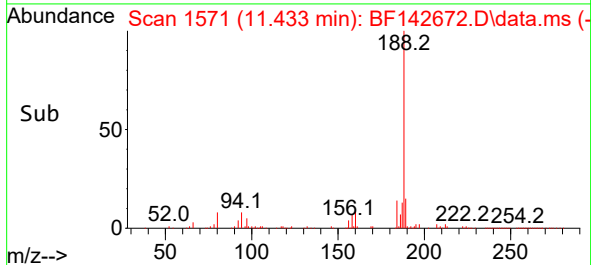
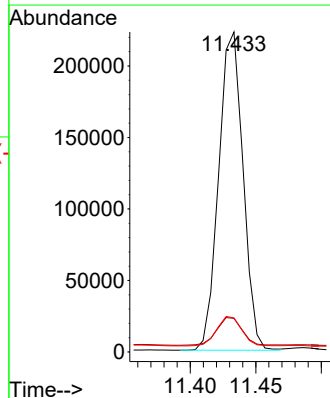
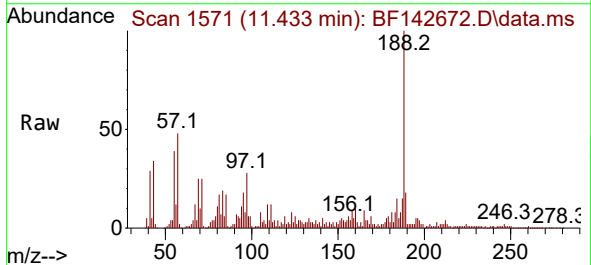
Instrument :
BNA_F
ClientSampleId :
GSB3

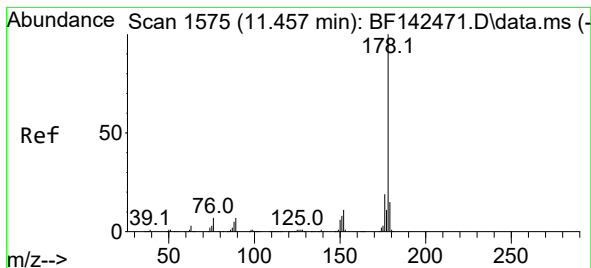
Tgt Ion:166 Resp: 90448
Ion Ratio Lower Upper
166 100
165 108.3 75.8 113.8
167 35.5 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:188 Resp: 287347
Ion Ratio Lower Upper
188 100
94 10.5 6.6 10.0#
80 10.7 7.4 11.0





#71

Phenanthrene

Concen: 16.645 ng

RT: 11.457 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

Instrument :

BNA_F

ClientSampleId :

GSB3

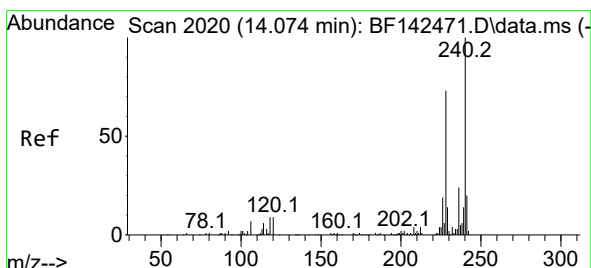
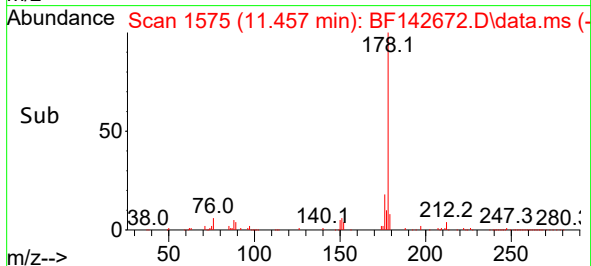
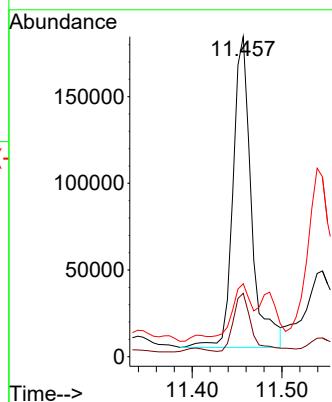
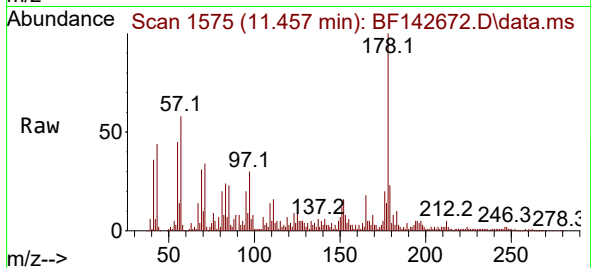
Tgt Ion:178 Resp: 255606

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

179 22.8 12.3 18.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

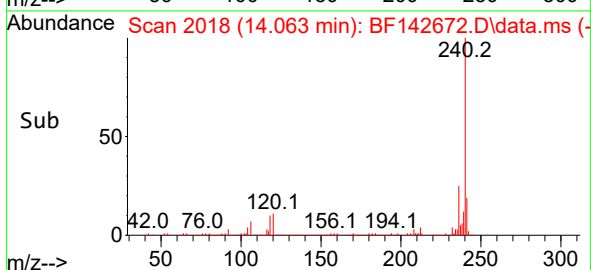
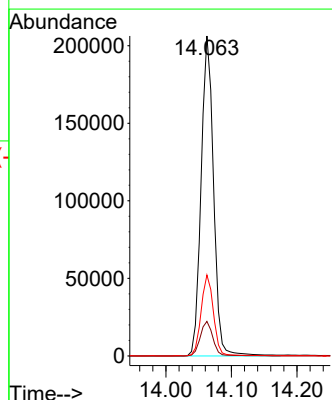
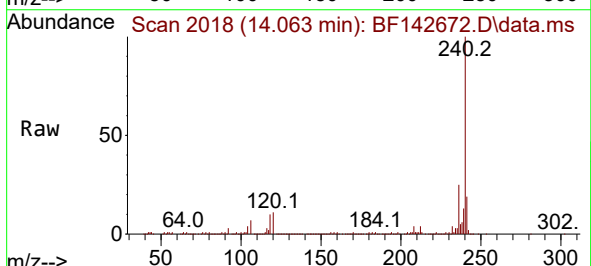
Tgt Ion:240 Resp: 273748

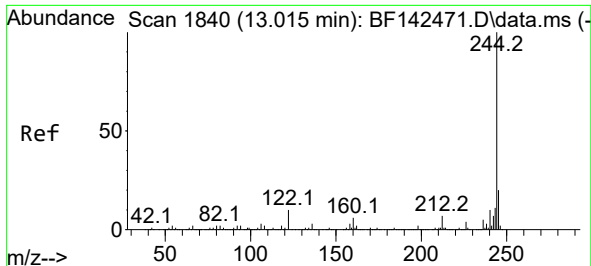
Ion Ratio Lower Upper

240 100

120 10.8 7.5 11.3

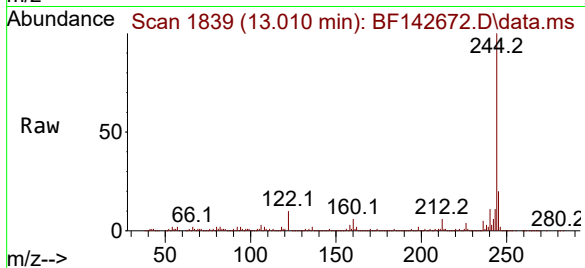
236 25.3 19.6 29.4



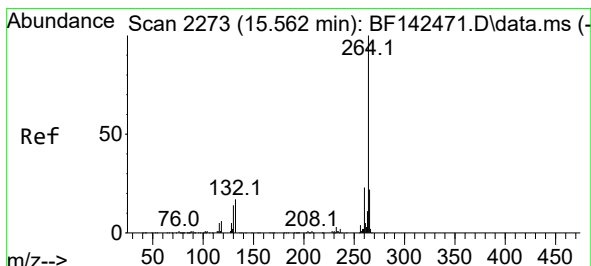
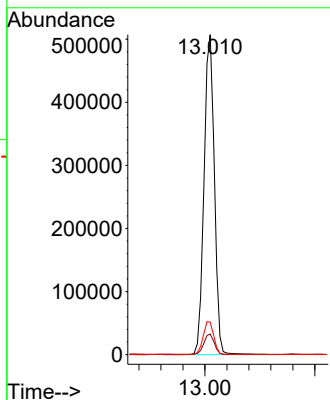
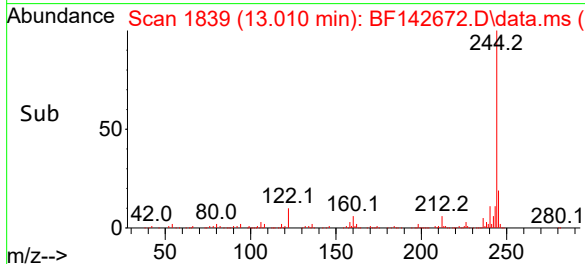


#79
 Terphenyl-d14
 Concen: 32.978 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142672.D
 Acq: 07 Jun 2025 05:36

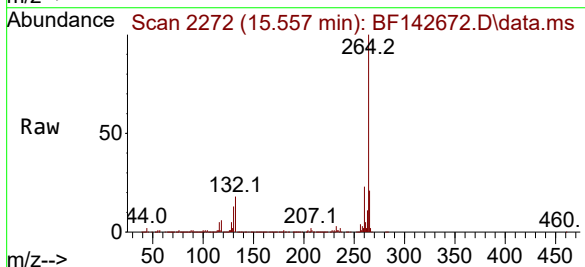
Instrument :
 BNA_F
 ClientSampleId :
 GSB3



Tgt Ion:244 Resp: 660614
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.2 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142672.D
 Acq: 07 Jun 2025 05:36



Tgt Ion:264 Resp: 297233
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.4 17.7 26.5

