

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142973.D
 Acq On : 02 Jul 2025 16:18
 Operator : RC/JU
 Sample : Q2459-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 02 16:40:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	55180	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	209571	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	113097	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	199585	20.000	ng	0.00
76) Chrysene-d12	14.045	240	122293	20.000	ng	-0.01
86) Perylene-d12	15.539	264	116002	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	385185	116.220	ng	0.00
7) Phenol-d6	6.504	99	418026	106.907	ng	0.00
23) Nitrobenzene-d5	7.434	82	305765	80.028	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	167218	143.677	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	686759	79.770	ng	-0.01
79) Terphenyl-d14	12.992	244	730270	82.508	ng	0.00

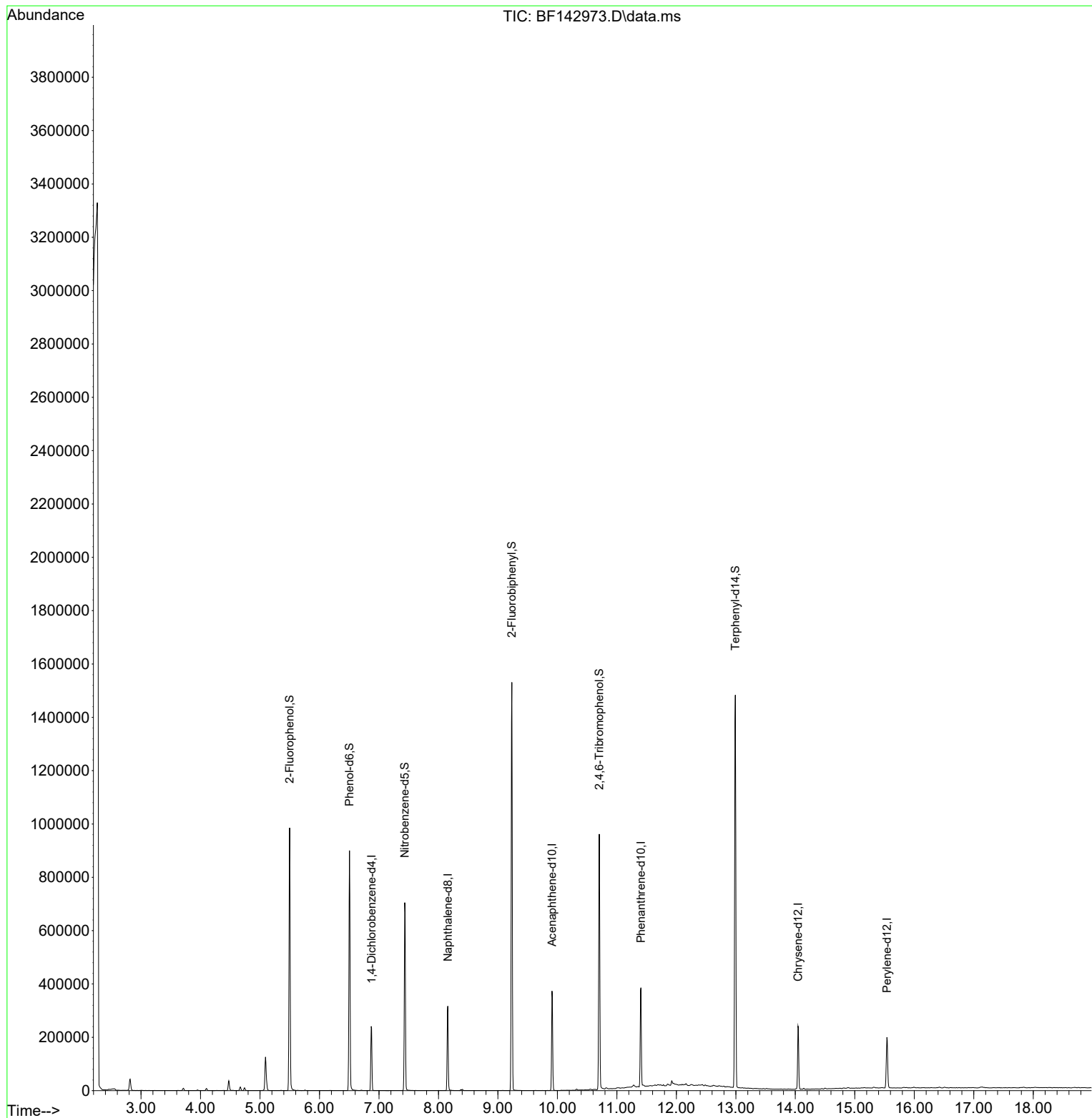
Target Compounds	Qvalue

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

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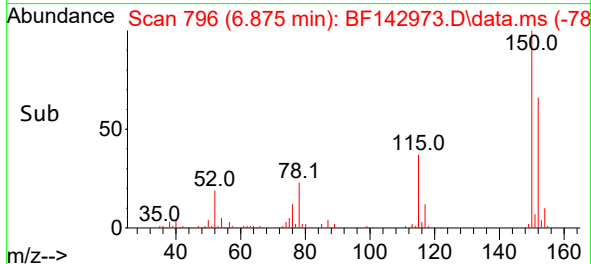
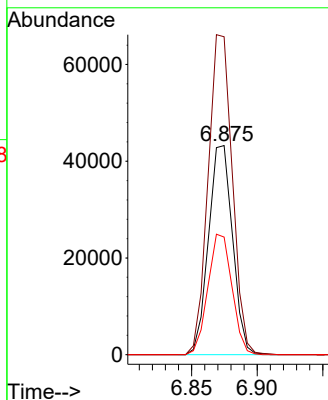
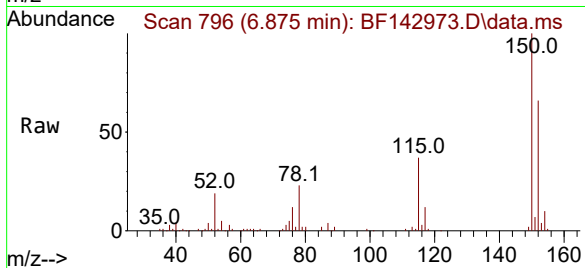




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

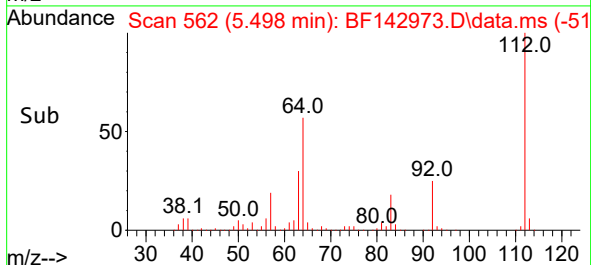
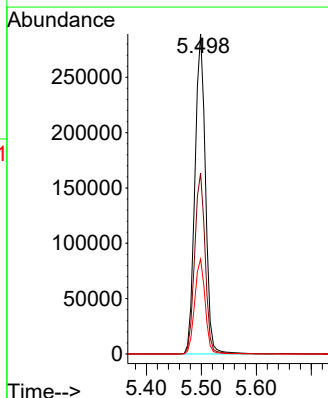
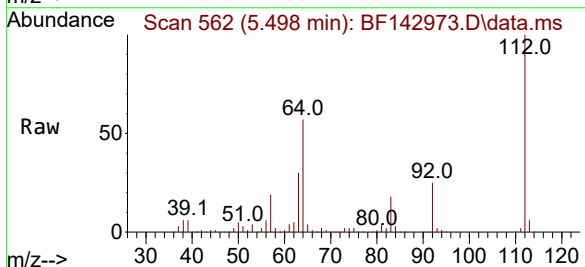
Instrument :
BNA_F
ClientSampleId :
TP-1

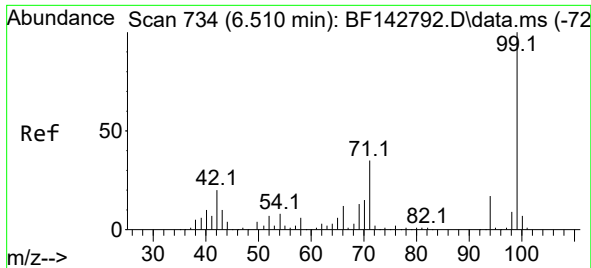
Tgt Ion:152 Resp: 55180
Ion Ratio Lower Upper
152 100
150 152.0 127.2 190.8
115 56.2 46.6 69.8



#5
2-Fluorophenol
Concen: 116.220 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion:112 Resp: 385185
Ion Ratio Lower Upper
112 100
64 56.6 48.2 72.2
63 29.6 25.7 38.5

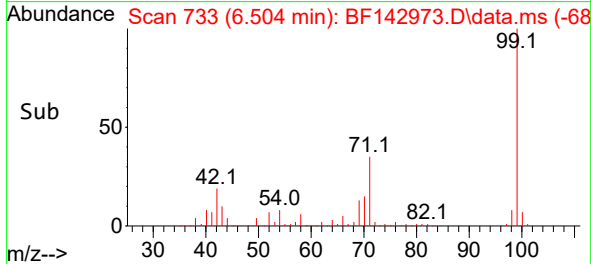
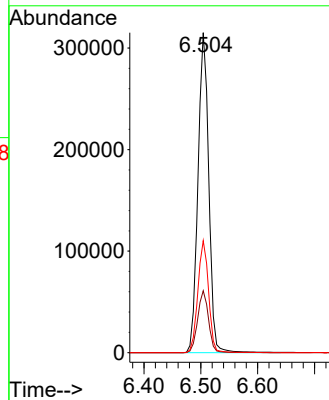
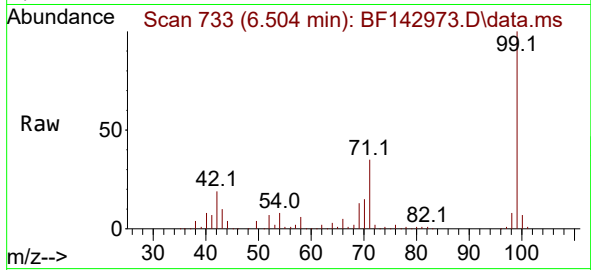




#7
Phenol-d6
Concen: 106.907 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

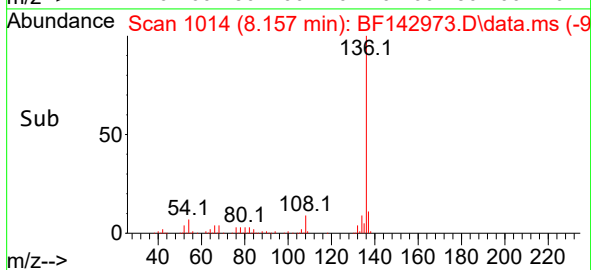
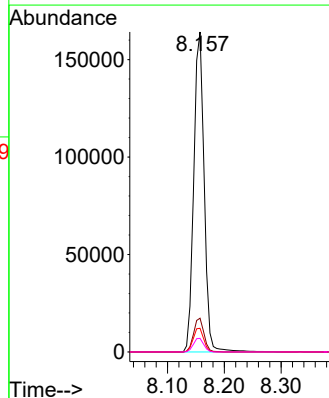
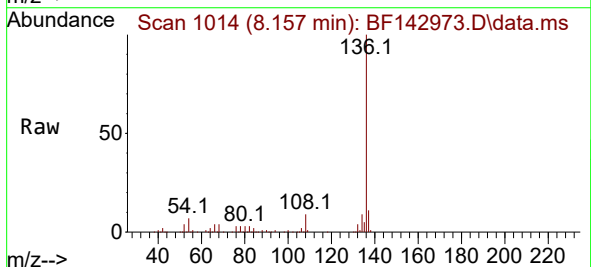
Instrument :
BNA_F
ClientSampleId :
TP-1

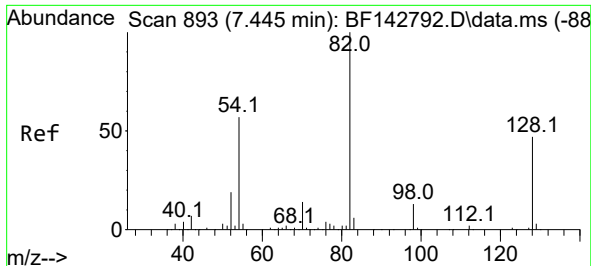
Tgt Ion: 99 Resp: 418026
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion: 136 Resp: 209571
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.4 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 80.028 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142973.D

Acq: 02 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

TP-1

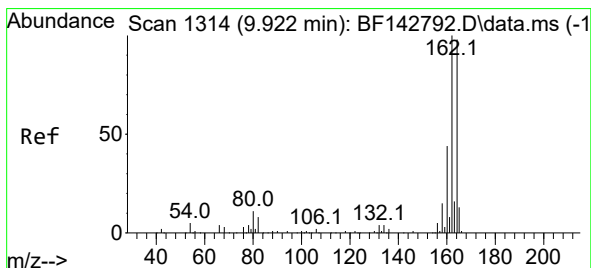
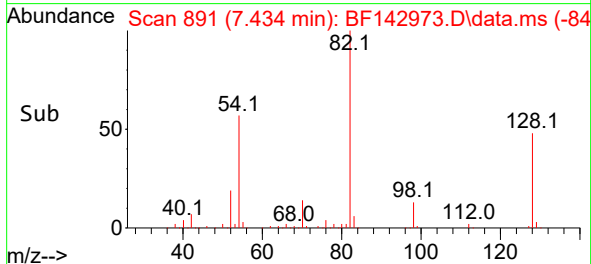
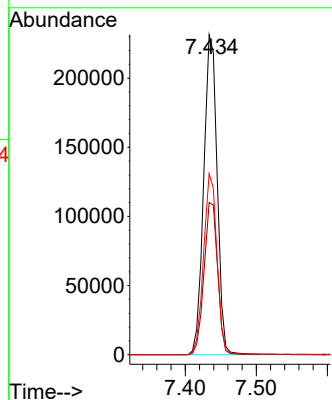
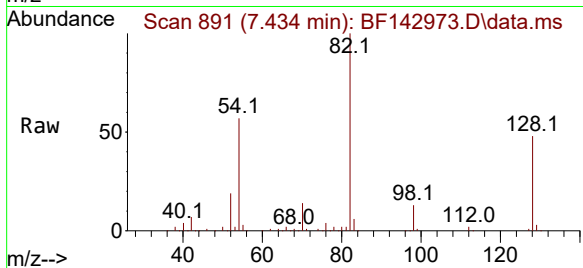
Tgt Ion: 82 Resp: 305765

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 56.5 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142973.D

Acq: 02 Jul 2025 16:18

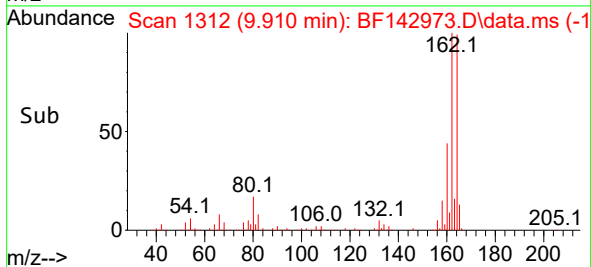
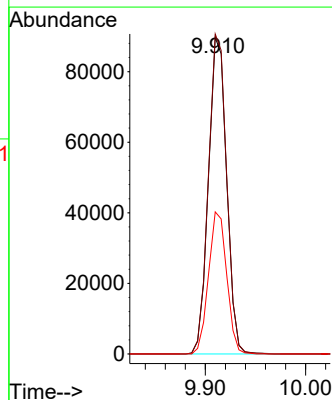
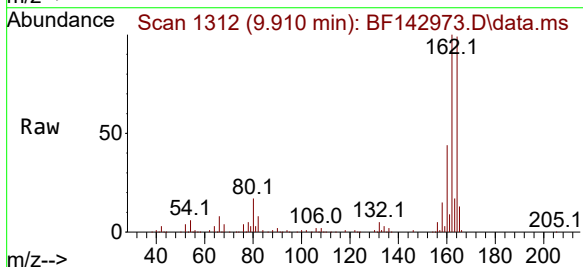
Tgt Ion:164 Resp: 113097

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.8

160 44.9 36.0 54.0

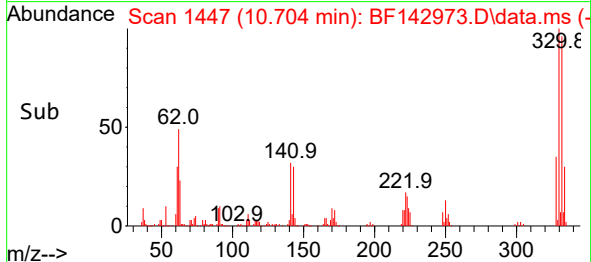
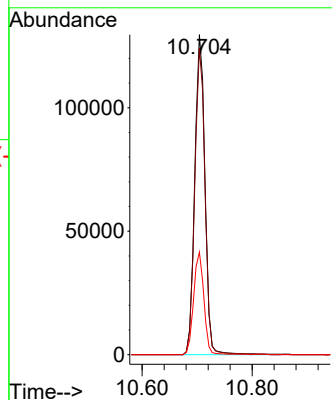
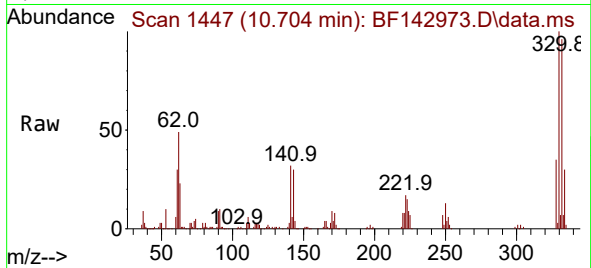




#42
2,4,6-Tribromophenol
Concen: 143.677 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

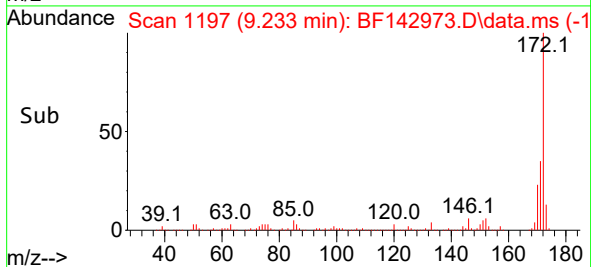
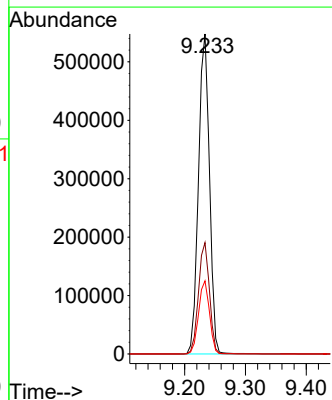
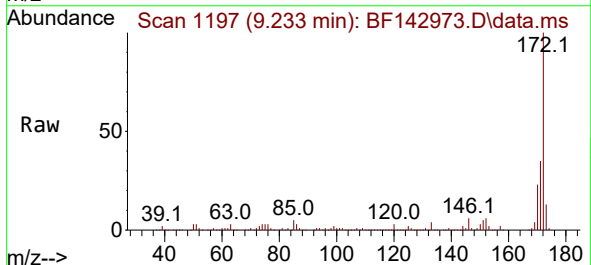
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:330 Resp: 167218
Ion Ratio Lower Upper
330 100
332 95.6 75.0 112.6
141 32.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 79.770 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion:172 Resp: 686759
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 22.8 18.5 27.7

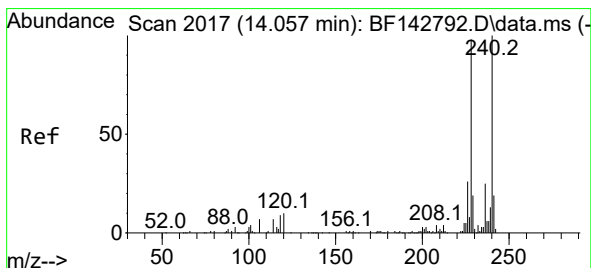
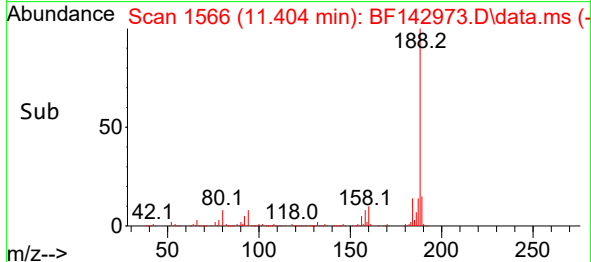
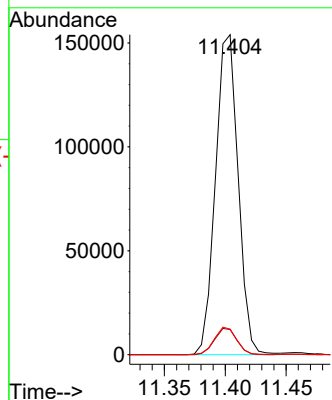
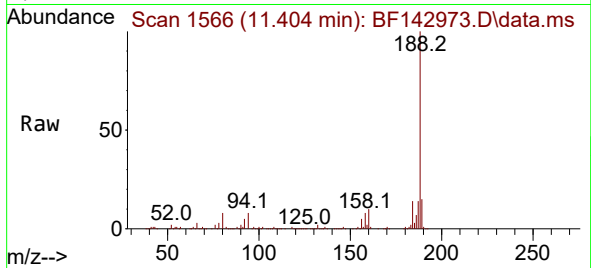




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

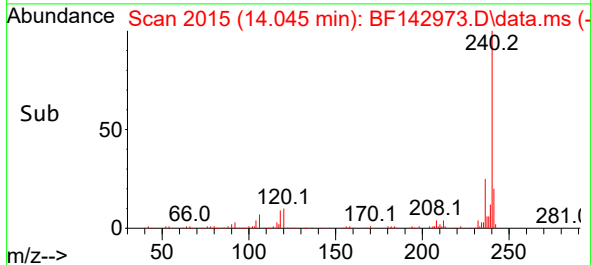
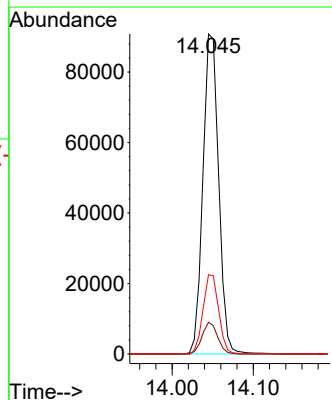
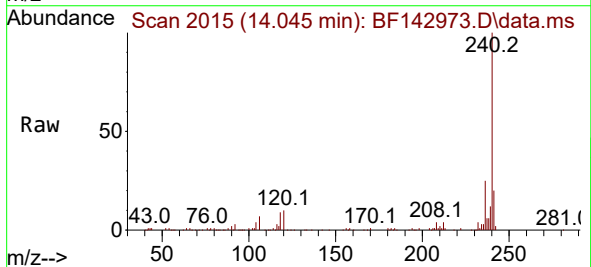
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 199585
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.0 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142973.D
Acq: 02 Jul 2025 16:18

Tgt Ion:240 Resp: 122293
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 24.7 19.8 29.8

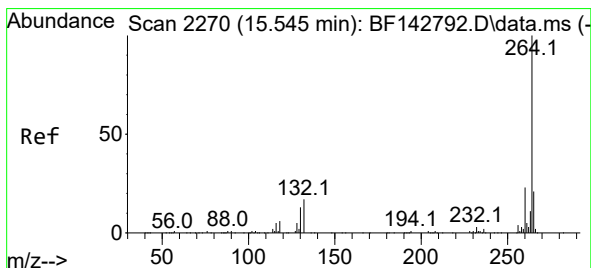
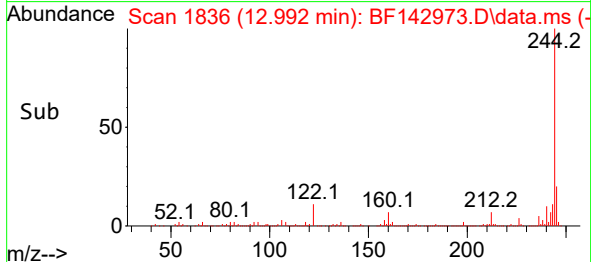
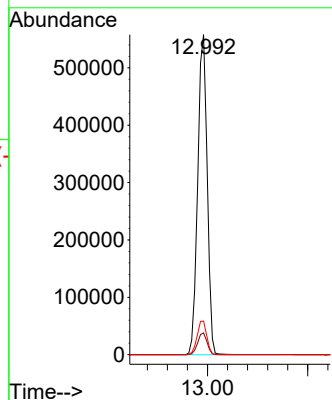
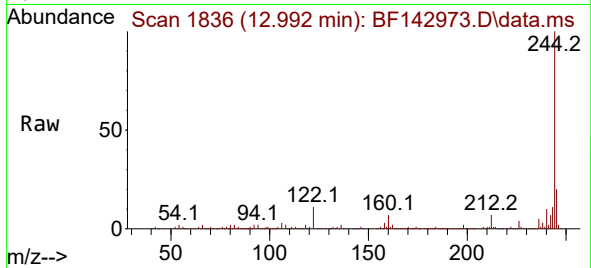




#79
 Terphenyl-d14
 Concen: 82.508 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142973.D
 Acq: 02 Jul 2025 16:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 730270
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142973.D
 Acq: 02 Jul 2025 16:18

Tgt Ion:264 Resp: 116002
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.3 16.6 25.0

