

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142976.D
 Acq On : 02 Jul 2025 17:49
 Operator : RC/JU
 Sample : Q2459-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 02 18:14:23 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	6.869	152	57323	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	219008	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	118529	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	202238	20.000	ng	0.00
76) Chrysene-d12	14.045	240	115664	20.000	ng	-0.01
86) Perylene-d12	15.539	264	125471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	266435	77.385	ng	0.00
7) Phenol-d6	6.498	99	330073	81.258	ng	-0.01
23) Nitrobenzene-d5	7.434	82	193183	48.383	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	100461	82.362	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	399665	44.295	ng	-0.02
79) Terphenyl-d14	12.986	244	367565	43.909	ng	-0.01

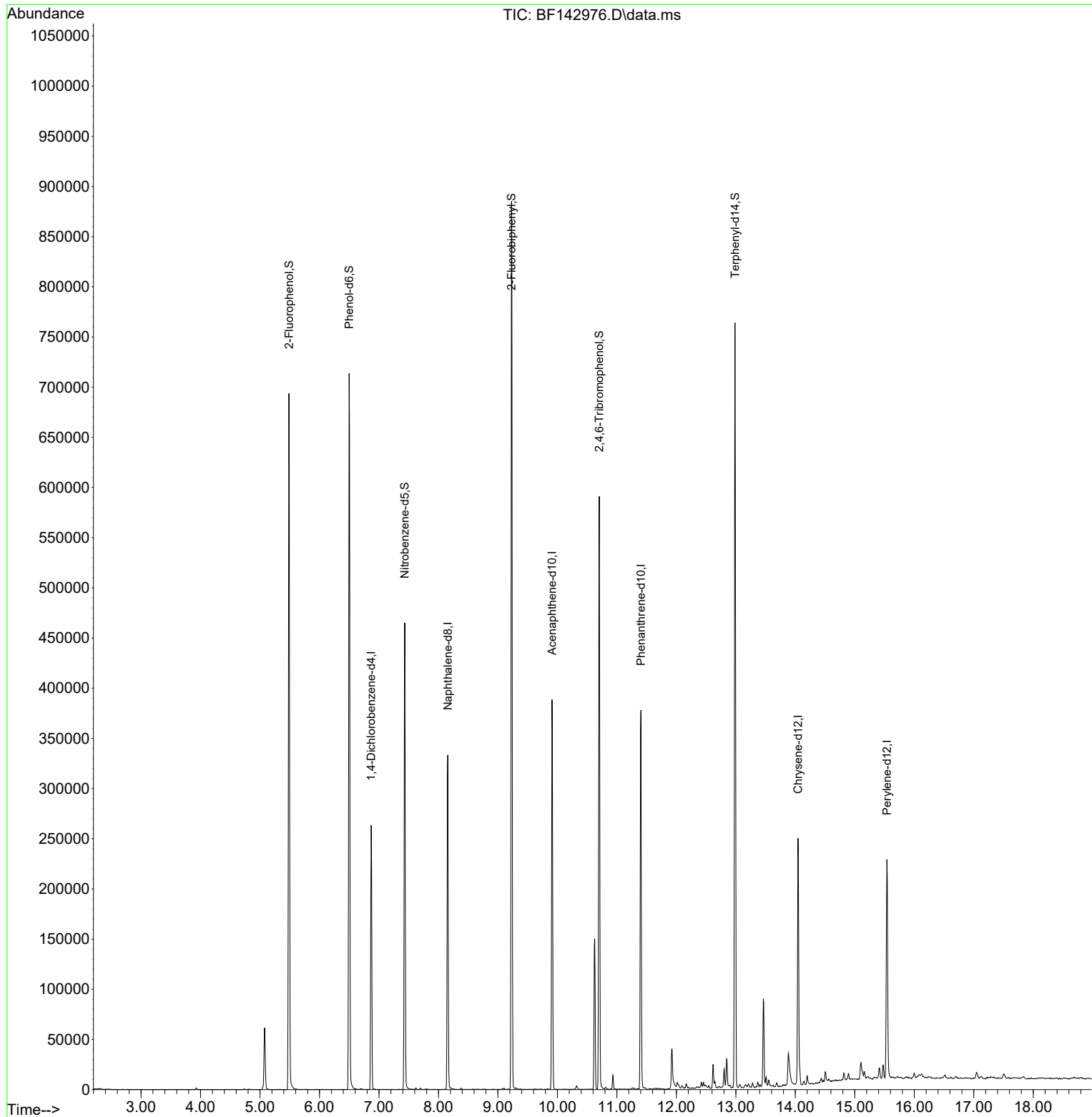
Target Compounds	Qvalue

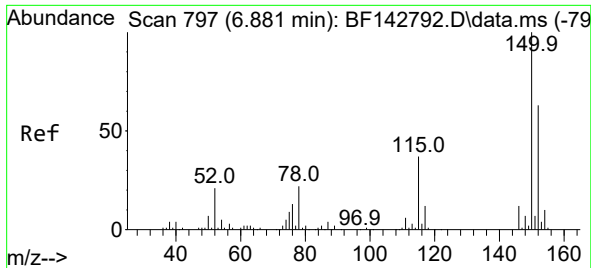
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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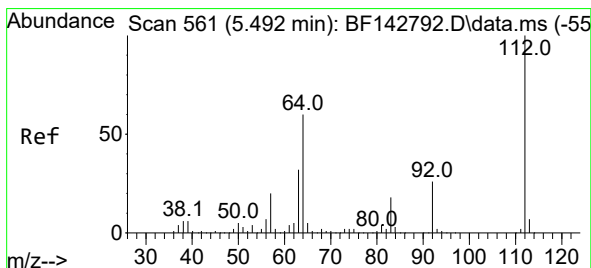
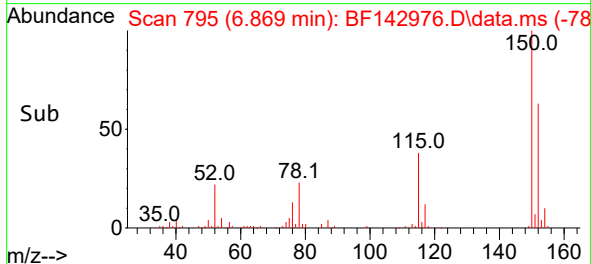
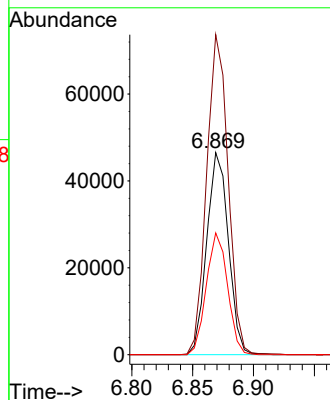
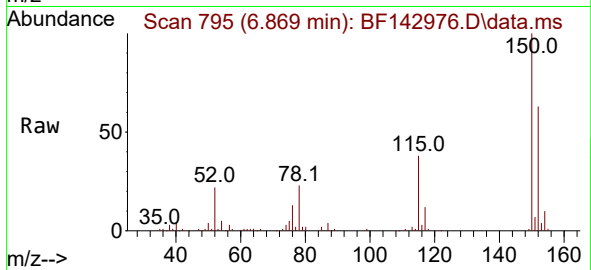




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

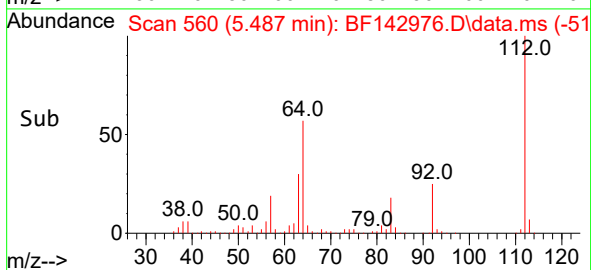
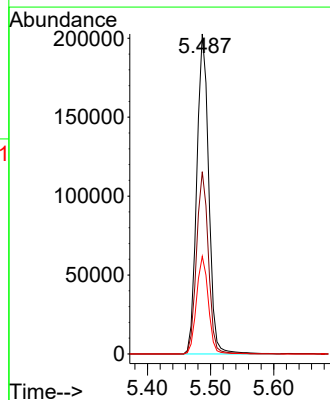
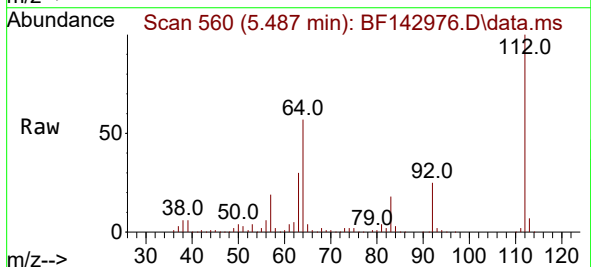
Instrument :
BNA_F
ClientSampleId :
TP-1

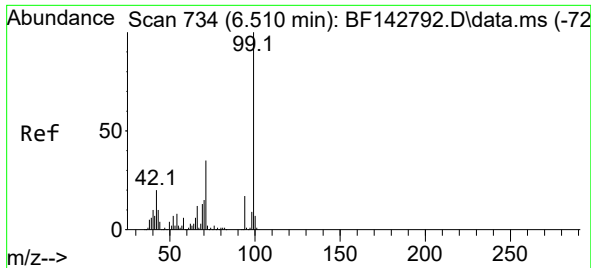
Tgt Ion:152 Resp: 57323
Ion Ratio Lower Upper
152 100
150 158.4 127.2 190.8
115 60.3 46.6 69.8



#5
2-Fluorophenol
Concen: 77.385 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Tgt Ion:112 Resp: 266435
Ion Ratio Lower Upper
112 100
64 57.0 48.2 72.2
63 30.5 25.7 38.5

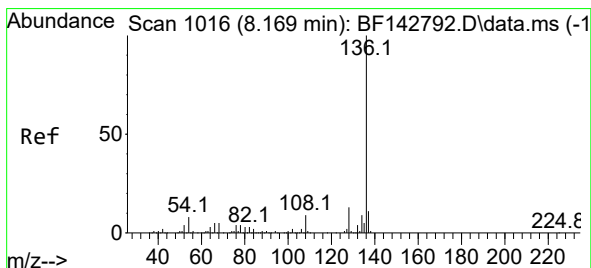
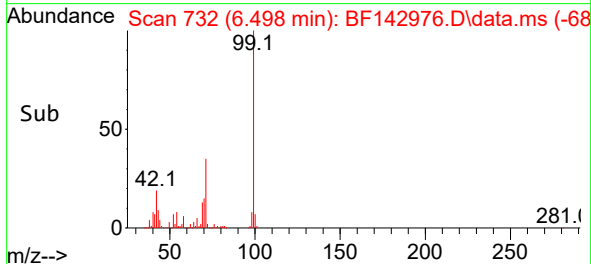
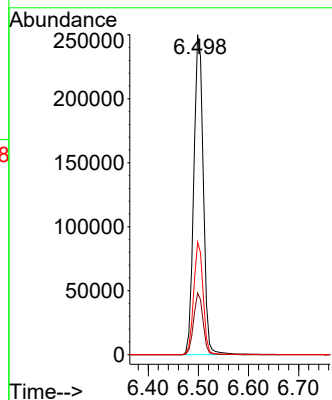
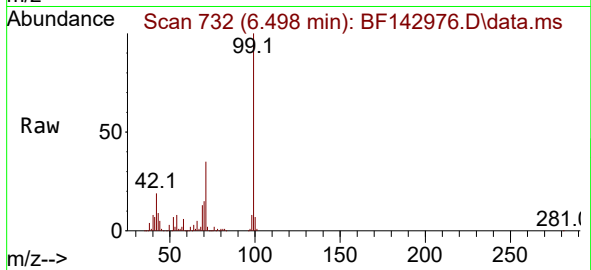




#7
Phenol-d6
Concen: 81.258 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

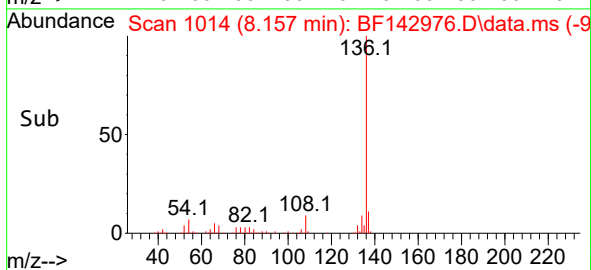
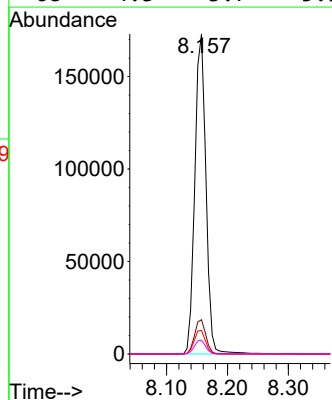
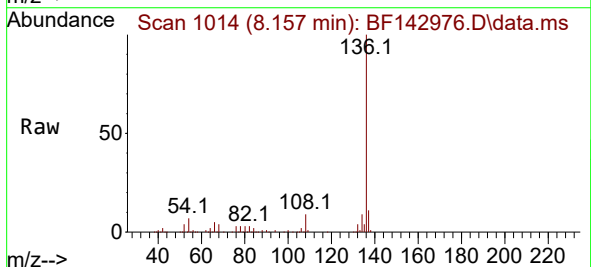
Instrument :
BNA_F
ClientSampleId :
TP-1

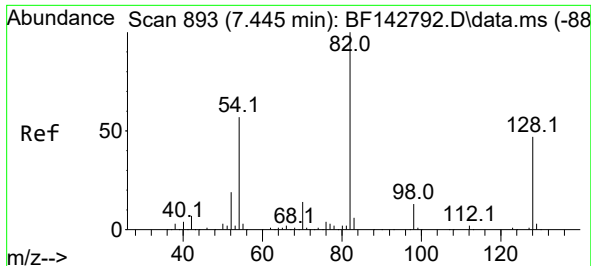
Tgt Ion: 99 Resp: 330073
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Tgt Ion: 136 Resp: 219008
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.4 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 48.383 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142976.D

Acq: 02 Jul 2025 17:49

Instrument :

BNA_F

ClientSampleId :

TP-1

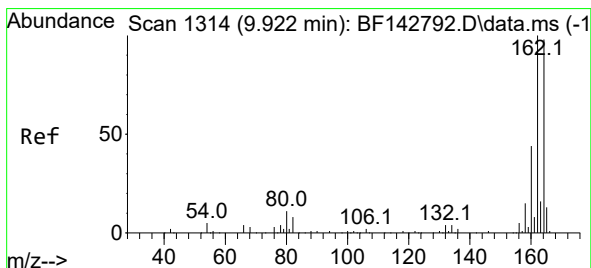
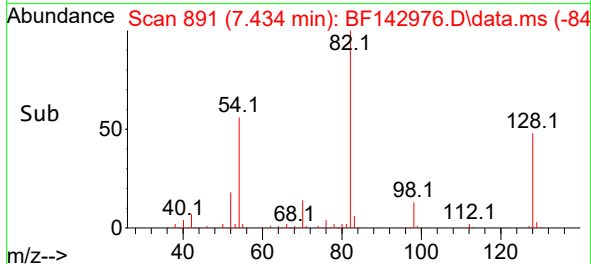
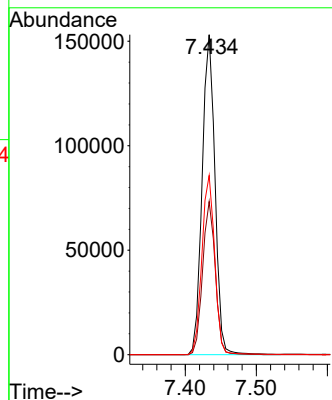
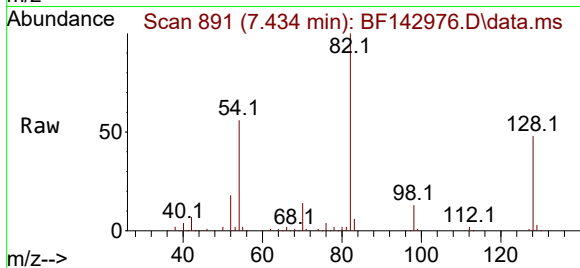
Tgt Ion: 82 Resp: 193183

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 56.0 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: BF142976.D

Acq: 02 Jul 2025 17:49

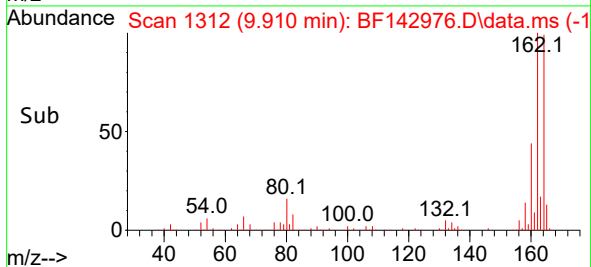
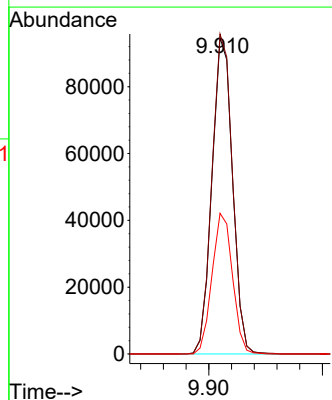
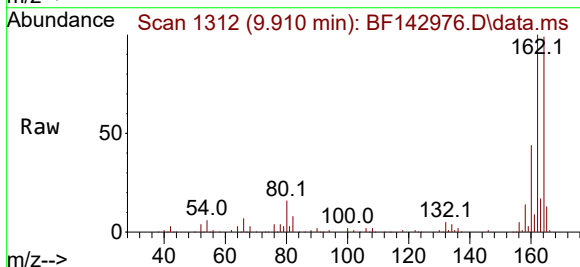
Tgt Ion:164 Resp: 118529

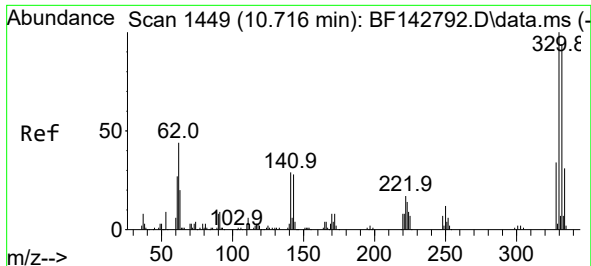
Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.8

160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 82.362 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142976.D

Acq: 02 Jul 2025 17:49

Instrument :

BNA_F

ClientSampleId :

TP-1

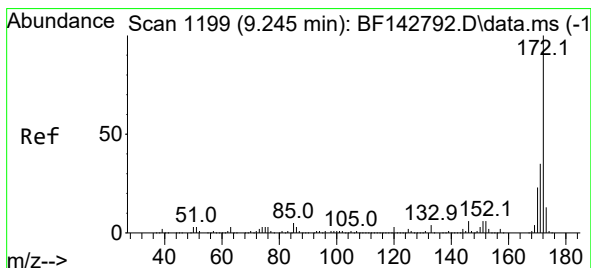
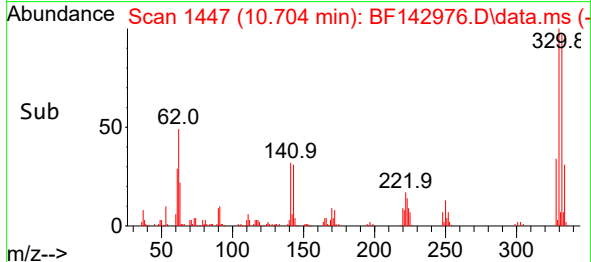
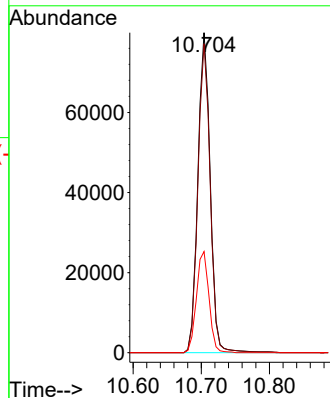
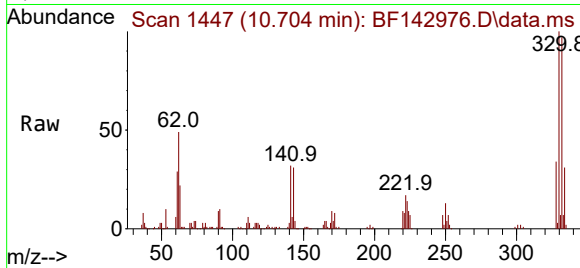
Tgt Ion:330 Resp: 100461

Ion Ratio Lower Upper

330 100

332 96.1 75.0 112.6

141 32.1 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 44.295 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.017 min

Lab File: BF142976.D

Acq: 02 Jul 2025 17:49

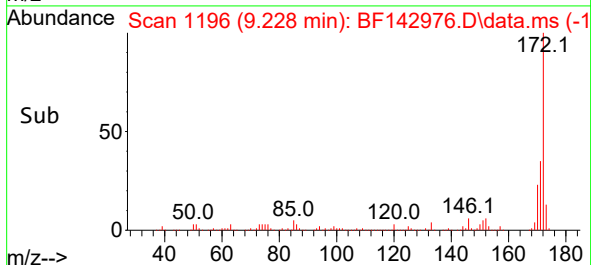
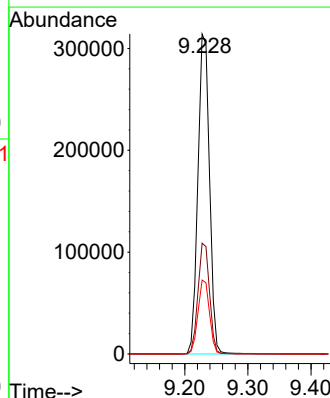
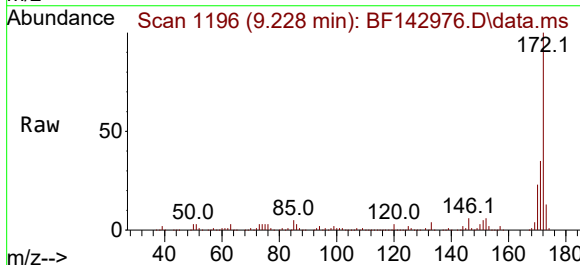
Tgt Ion:172 Resp: 399665

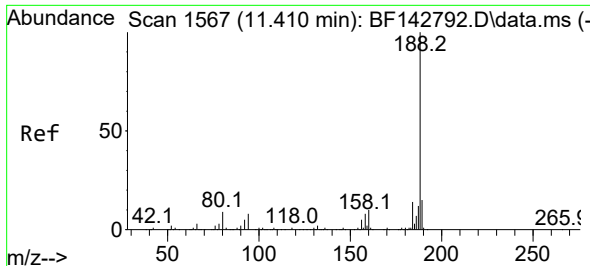
Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.4

170 23.1 18.5 27.7

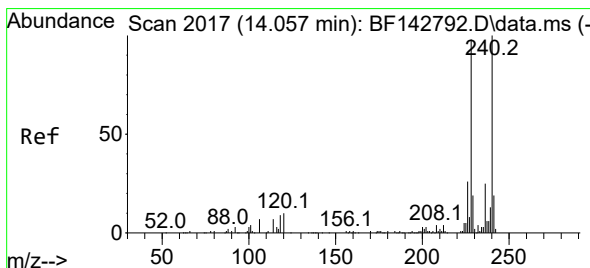
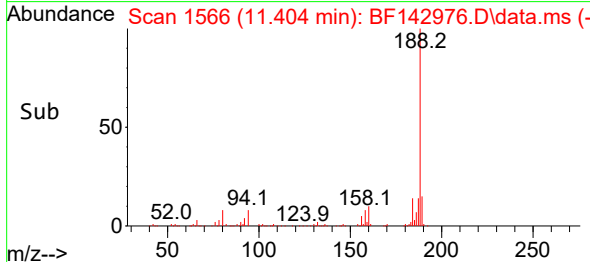
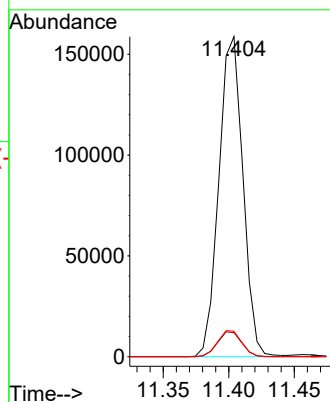
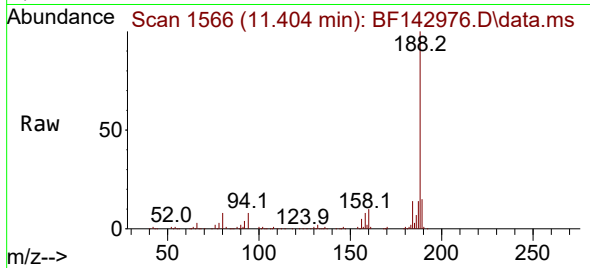




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

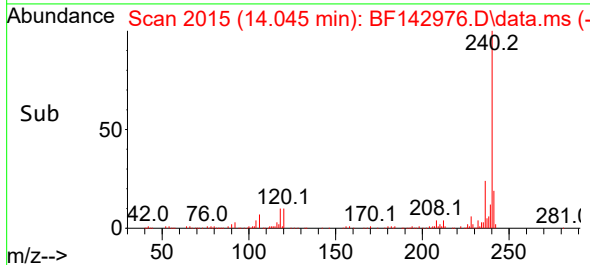
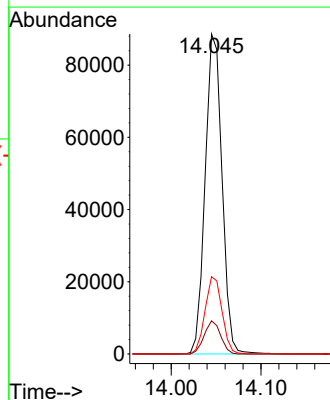
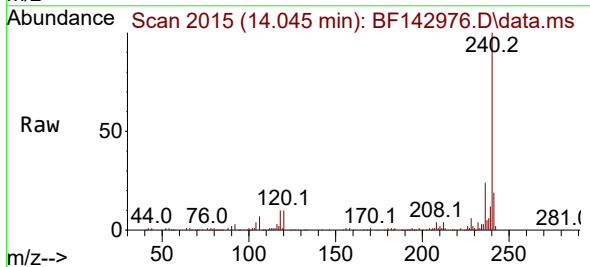
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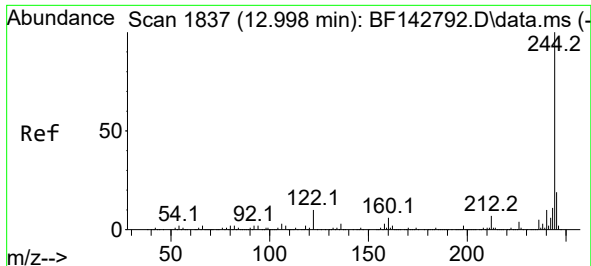
Tgt Ion:188 Resp: 202238
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 7.9 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Tgt Ion:240 Resp: 115664
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 24.2 19.8 29.8

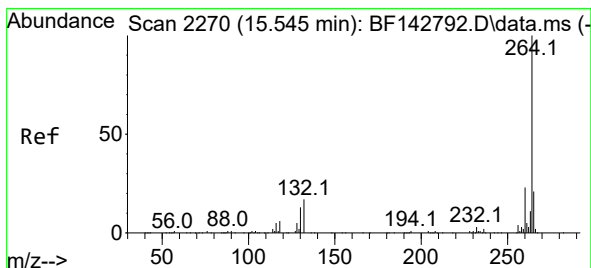
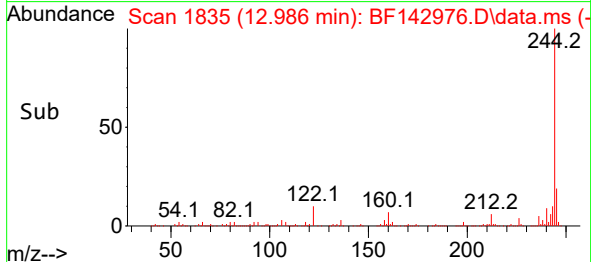
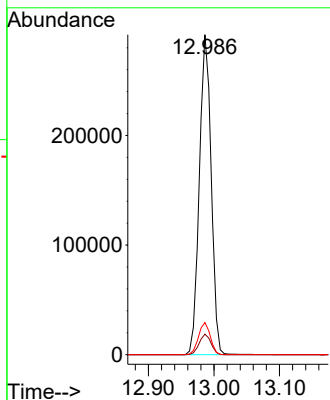
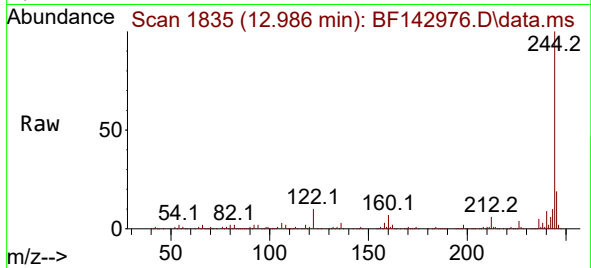




#79
 Terphenyl-d14
 Concen: 43.909 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142976.D
 Acq: 02 Jul 2025 17:49

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 367565
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.1 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: BF142976.D
 Acq: 02 Jul 2025 17:49

Tgt Ion:264 Resp: 125471
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.8 16.6 25.0

