

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142481.D
 Acq On : 21 May 2025 12:14
 Operator : RC/JU
 Sample : Q2074-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: May 21 12:42:10 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	6.898	152	88091	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	330115	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	169428	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	293973	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	263519	20.000	ng	-0.01
86) Perylene-d12	15.557	264	238889	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	452174	86.479	ng	-0.01
7) Phenol-d6	6.516	99	564083	89.621	ng	-0.02
23) Nitrobenzene-d5	7.457	82	323927	53.507	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	173761	92.405	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	630689	49.950	ng	-0.01
79) Terphenyl-d14	13.010	244	734064	38.067	ng	0.00

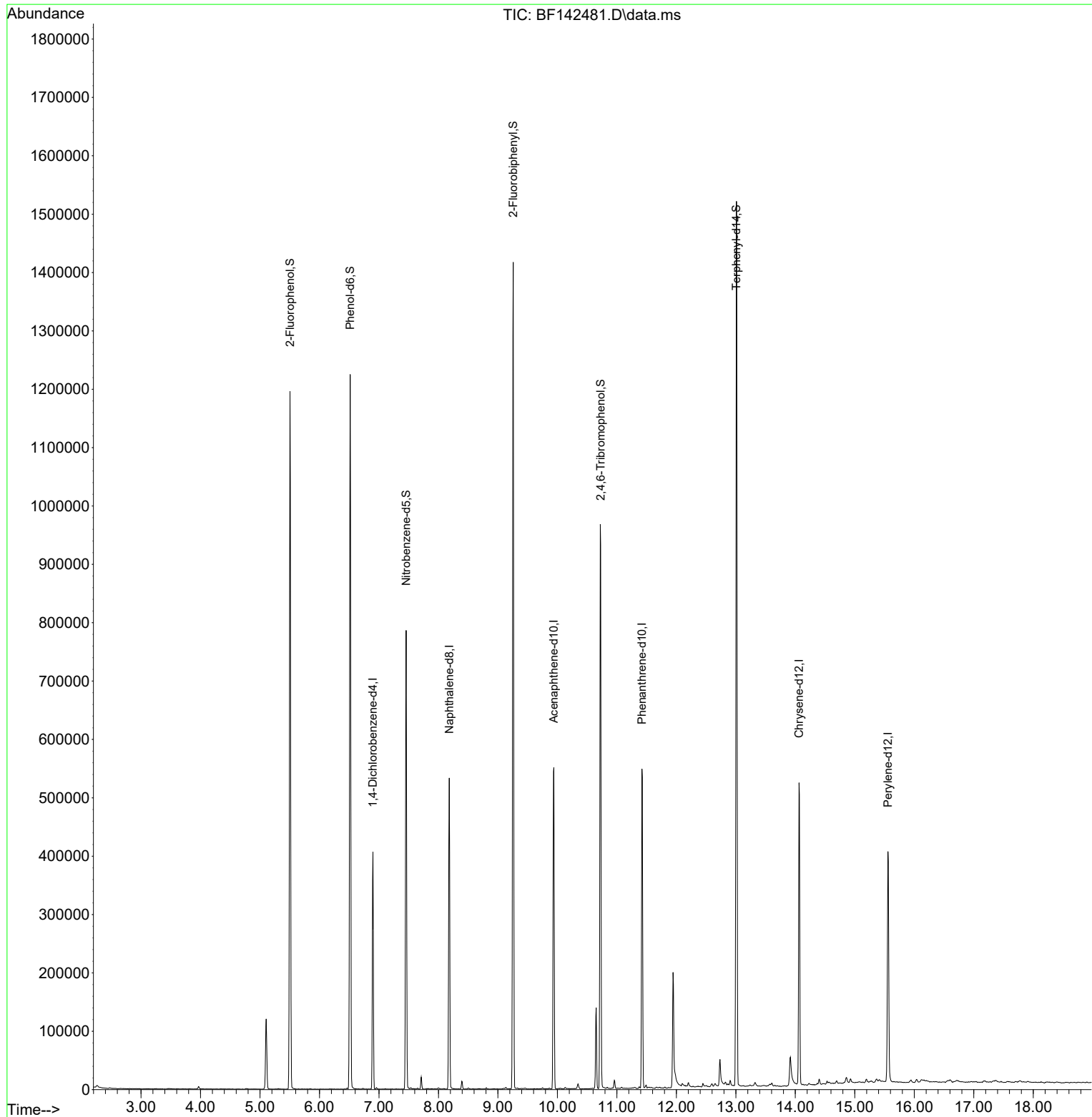
Target Compounds	Qvalue

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

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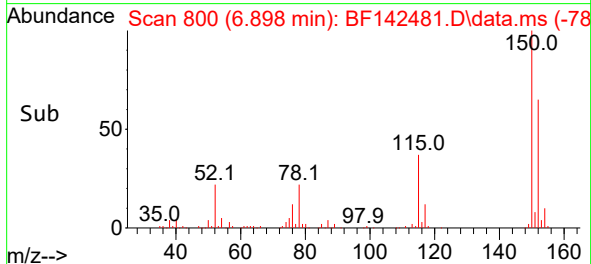
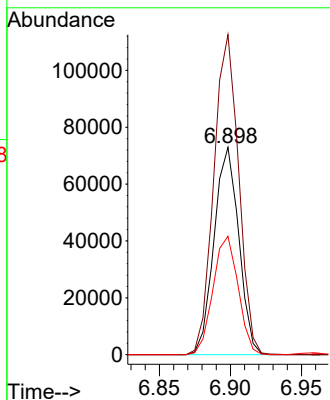
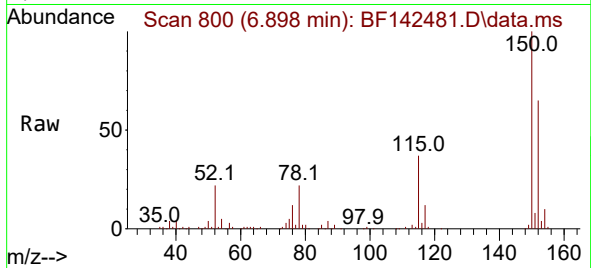




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

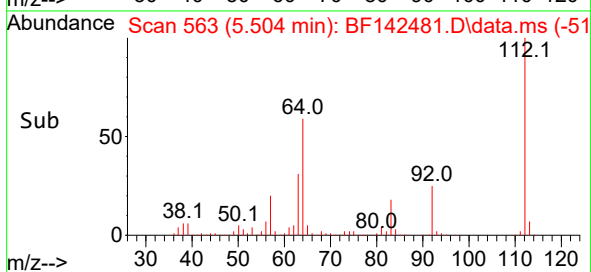
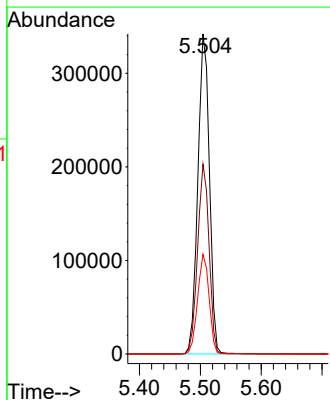
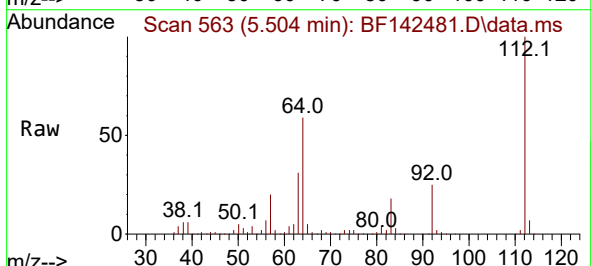
Instrument :
BNA_F
ClientSampleId :
TP-7

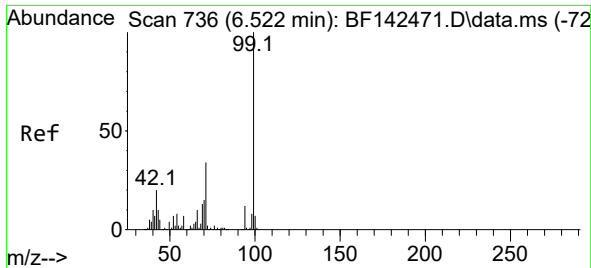
Tgt Ion:152 Resp: 88091
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 57.1 48.3 72.5



#5
2-Fluorophenol
Concen: 86.479 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

Tgt Ion:112 Resp: 452174
Ion Ratio Lower Upper
112 100
64 59.3 47.5 71.3
63 31.1 24.9 37.3





#7

Phenol-d6

Concen: 89.621 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

Instrument :

BNA_F

ClientSampleId :

TP-7

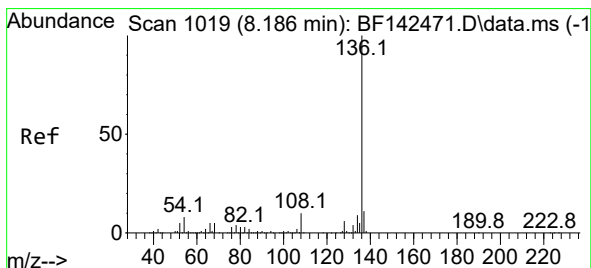
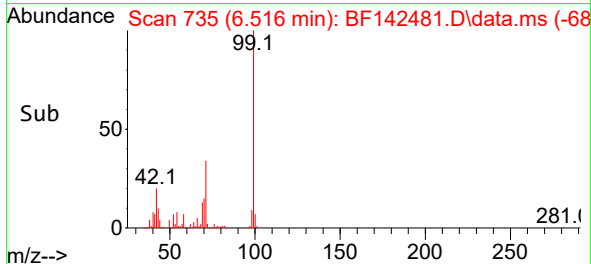
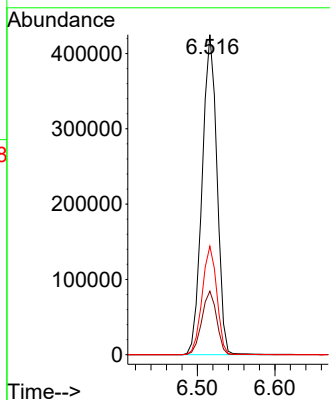
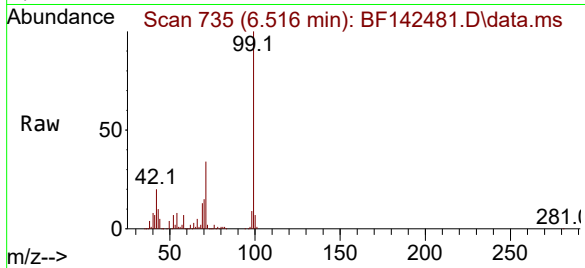
Tgt Ion: 99 Resp: 564083

Ion Ratio Lower Upper

99 100

42 19.9 16.2 24.2

71 33.9 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: BF142481.D

Acq: 21 May 2025 12:14

Tgt Ion: 136 Resp: 330115

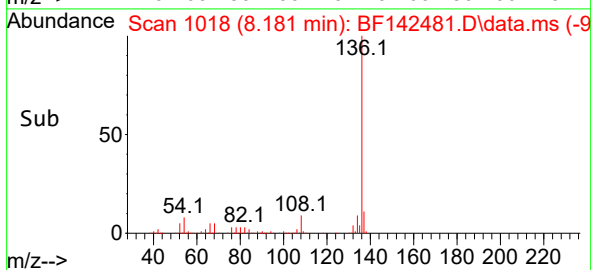
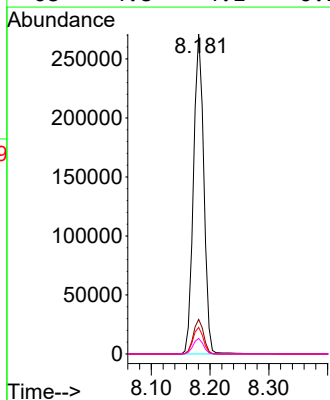
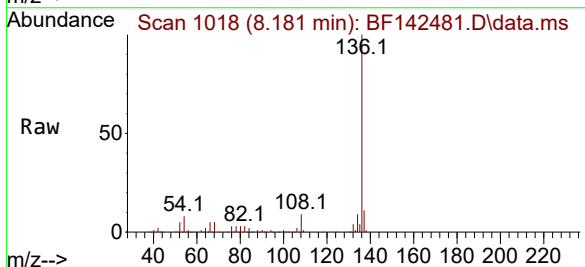
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.3 6.6 10.0

68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 53.507 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

Instrument :

BNA_F

ClientSampleId :

TP-7

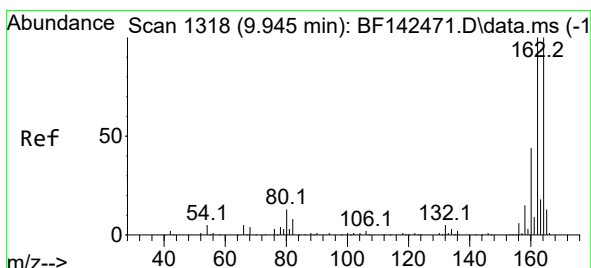
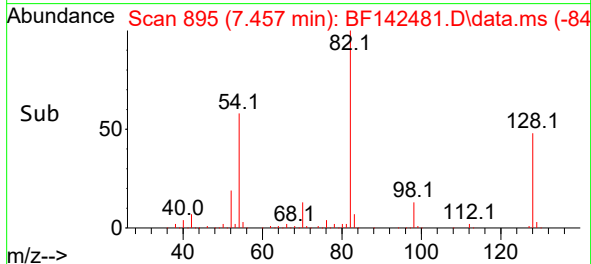
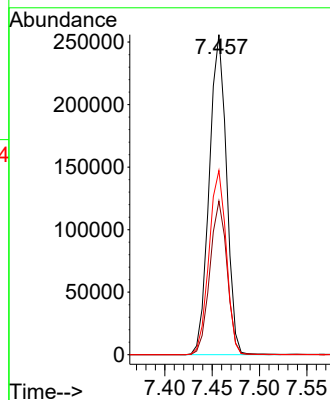
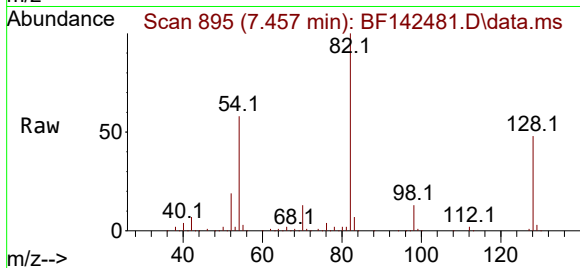
Tgt Ion: 82 Resp: 323927

Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

54 57.5 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

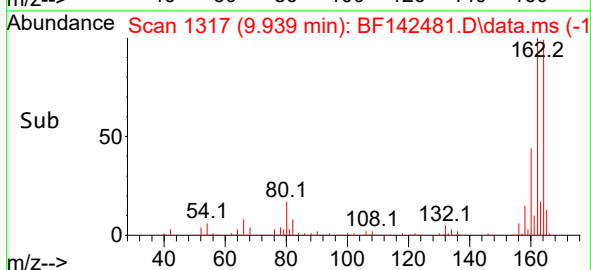
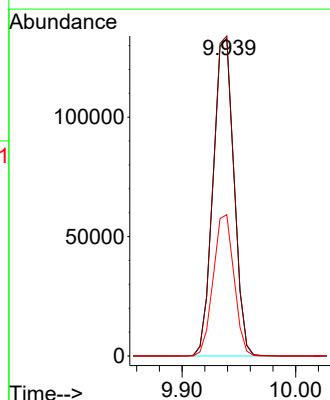
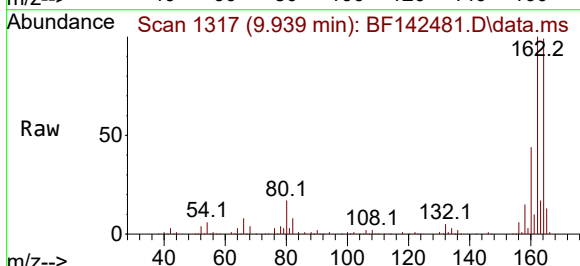
Tgt Ion:164 Resp: 169428

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.4

160 44.5 35.6 53.4

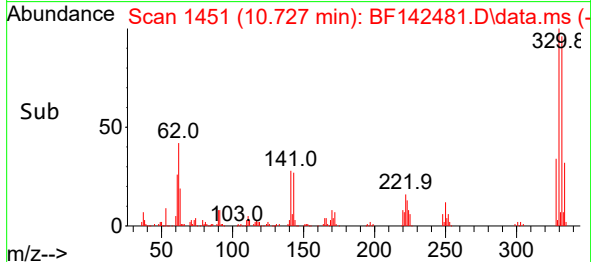
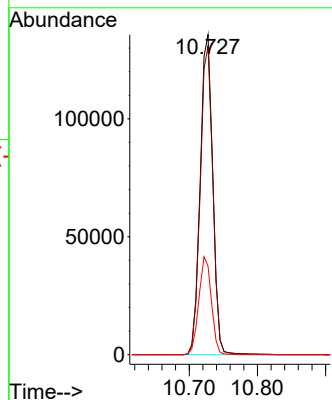
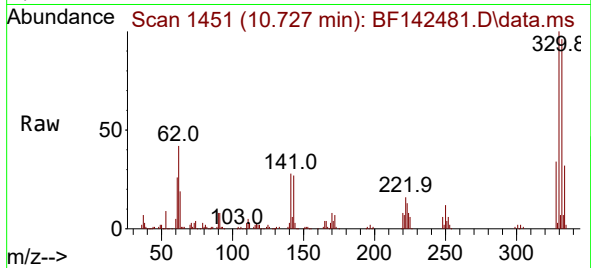




#42
 2,4,6-Tribromophenol
 Concen: 92.405 ng
 RT: 10.727 min Scan# 1451
 Delta R.T. -0.012 min
 Lab File: BF142481.D
 Acq: 21 May 2025 12:14

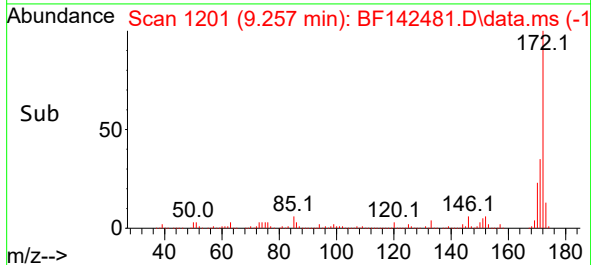
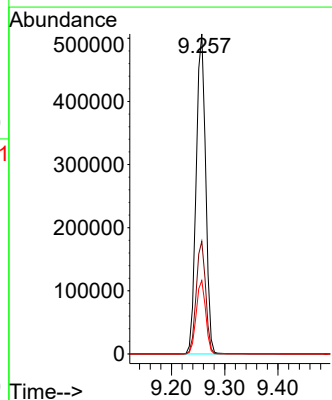
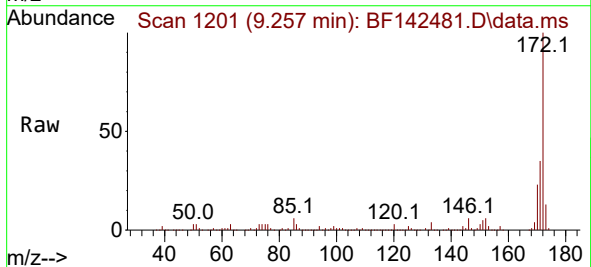
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

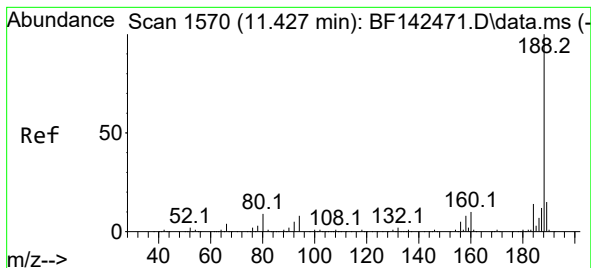
Tgt Ion: 330 Resp: 173761
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.6 116.4
 141 30.3 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 49.950 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF142481.D
 Acq: 21 May 2025 12:14

Tgt Ion: 172 Resp: 630689
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 42.8
 170 22.9 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

Instrument :

BNA_F

ClientSampleId :

TP-7

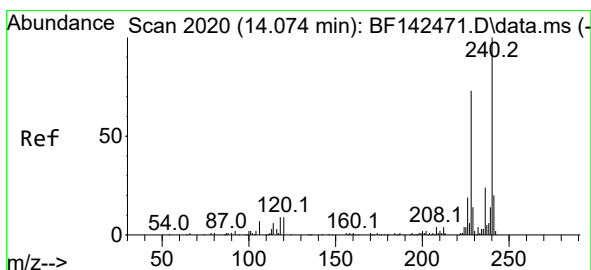
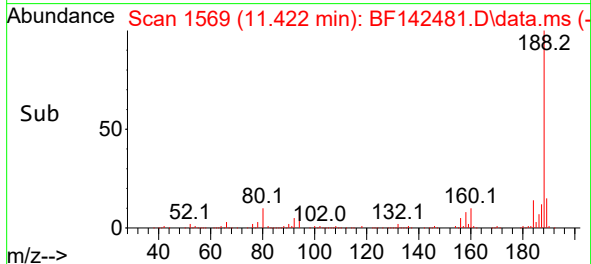
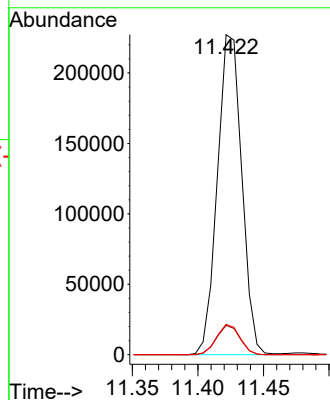
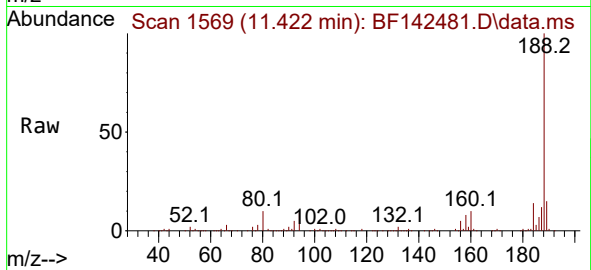
Tgt Ion:188 Resp: 293973

Ion Ratio Lower Upper

188 100

94 9.2 6.6 10.0

80 9.5 7.4 11.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

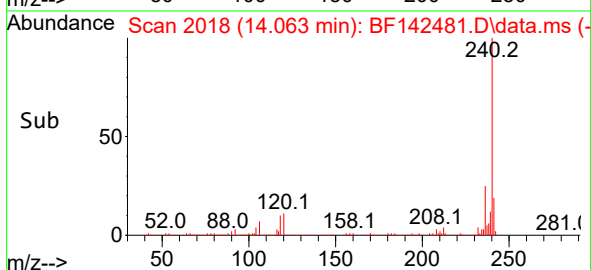
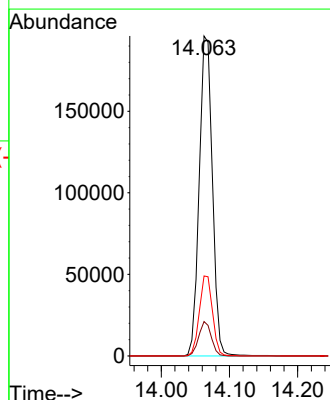
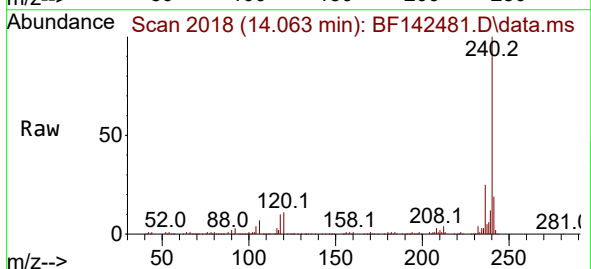
Tgt Ion:240 Resp: 263519

Ion Ratio Lower Upper

240 100

120 10.8 7.5 11.3

236 25.0 19.6 29.4

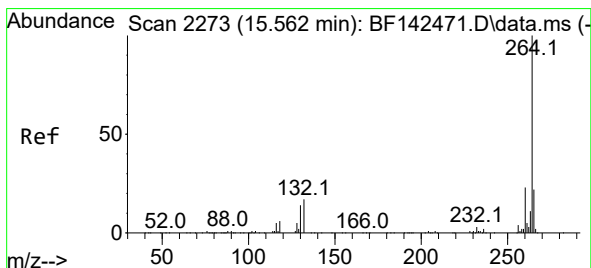
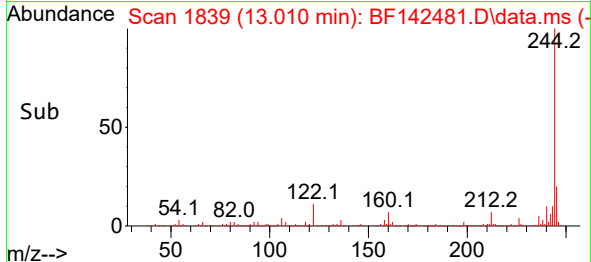
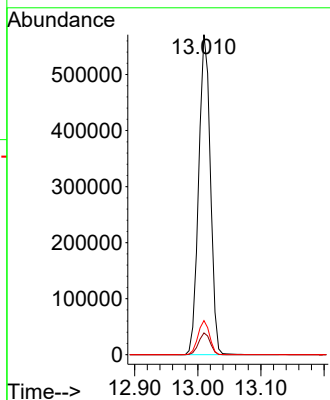
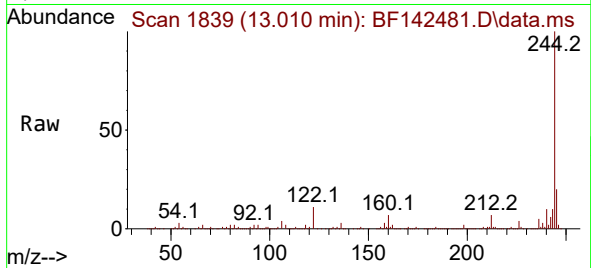




#79
 Terphenyl-d14
 Concen: 38.067 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142481.D
 Acq: 21 May 2025 12:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion:244 Resp: 734064
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.3 7.9
 122 10.7 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: BF142481.D
 Acq: 21 May 2025 12:14

Tgt Ion:264 Resp: 238889
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.4 17.7 26.5

