

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143039.D
 Acq On : 08 Jul 2025 18:08
 Operator : RC/JU
 Sample : Q2489-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G4(0-6)

Quant Time: Jul 08 19:33:51 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	50855	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	188920	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	94572	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	143217	20.000	ng	0.00
76) Chrysene-d12	14.051	240	100635	20.000	ng	0.00
86) Perylene-d12	15.551	264	123438	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	340406	111.444	ng	0.01
7) Phenol-d6	6.504	99	350880	97.366	ng	0.00
23) Nitrobenzene-d5	7.434	82	301356	87.495	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	127154	130.654	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	635260	88.242	ng	-0.01
79) Terphenyl-d14	12.992	244	482045	66.184	ng	0.00

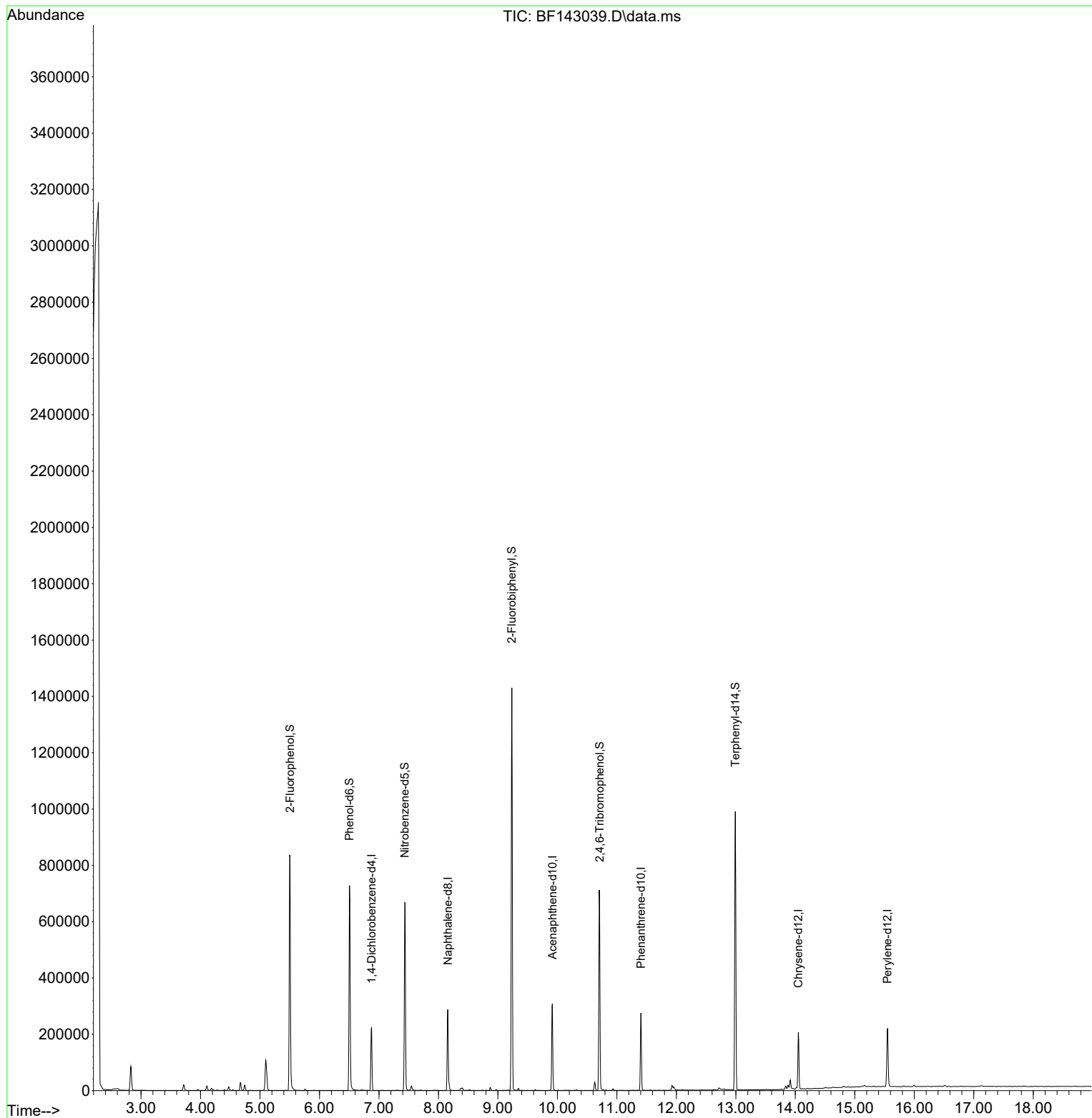
Target Compounds	Qvalue

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

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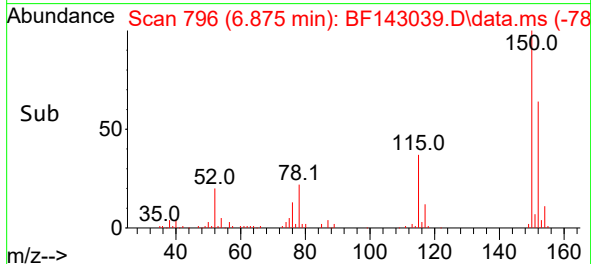
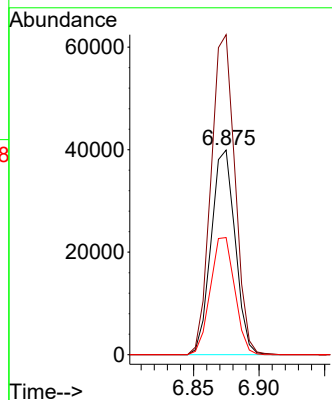
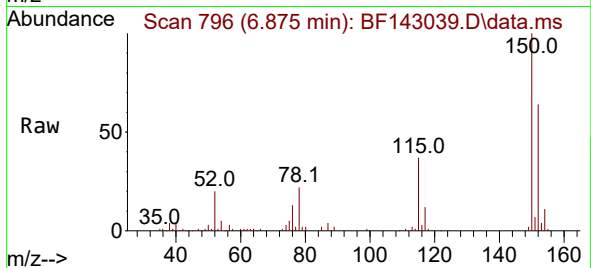




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

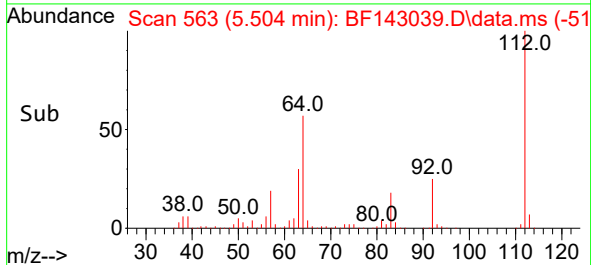
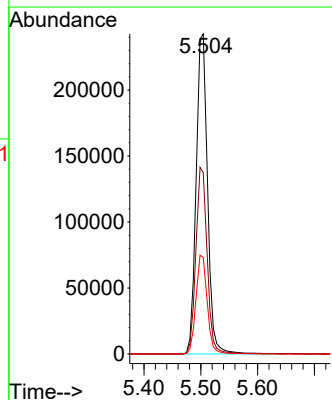
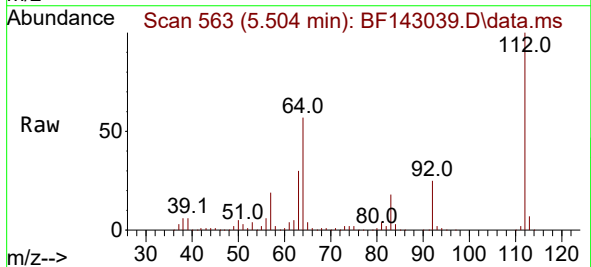
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

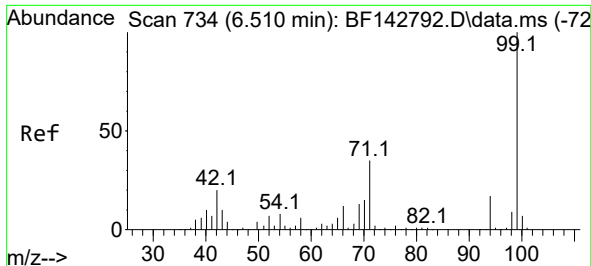
Tgt Ion:152 Resp: 50855
Ion Ratio Lower Upper
152 100
150 156.4 127.2 190.8
115 57.3 46.6 69.8



#5
2-Fluorophenol
Concen: 111.444 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:112 Resp: 340406
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 30.2 25.7 38.5

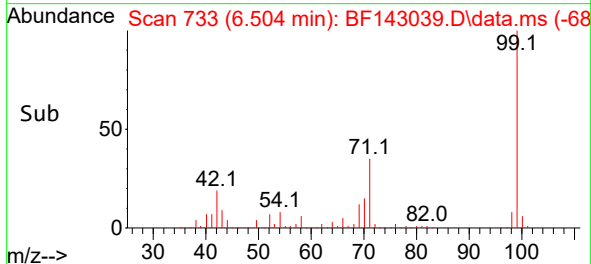
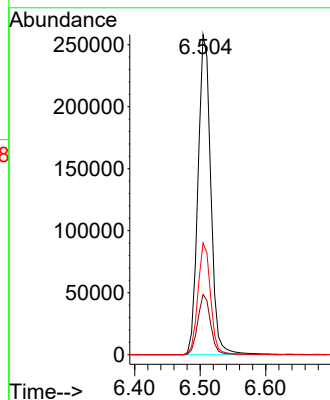
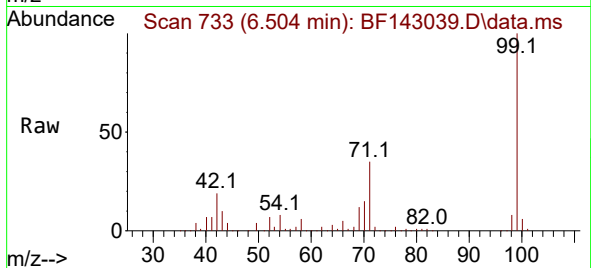




#7
Phenol-d6
Concen: 97.366 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

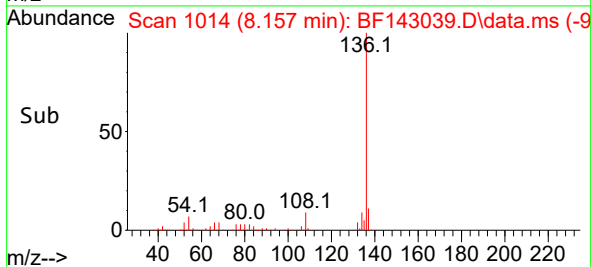
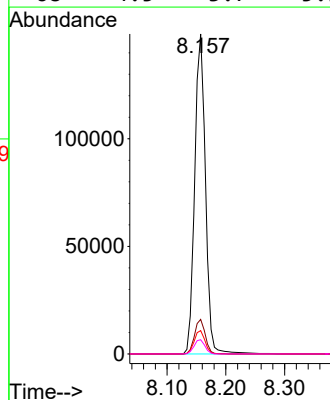
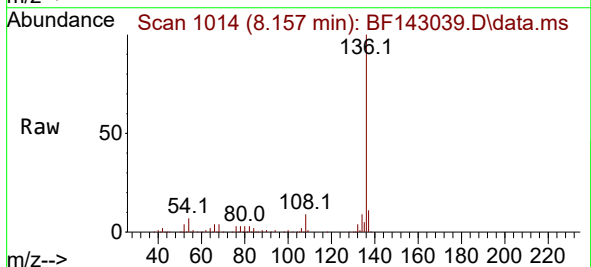
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

Tgt Ion: 99 Resp: 350880
Ion Ratio Lower Upper
99 100
42 18.8 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: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion: 136 Resp: 188920
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.3 6.3 9.5
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 87.495 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143039.D

Acq: 08 Jul 2025 18:08

Instrument :

BNA_F

ClientSampleId :

G4(0-6)

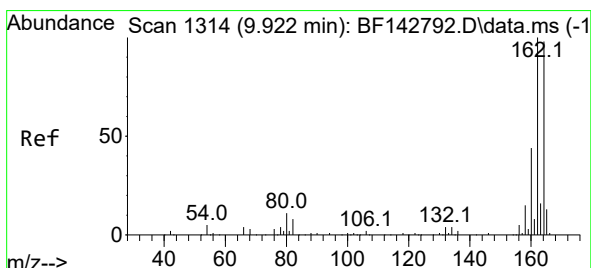
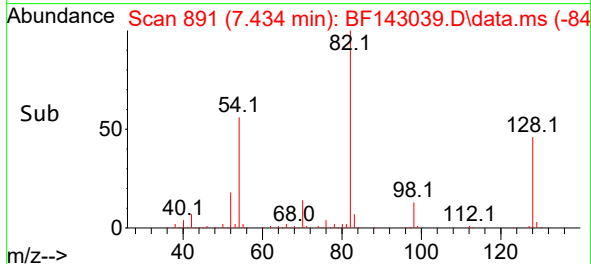
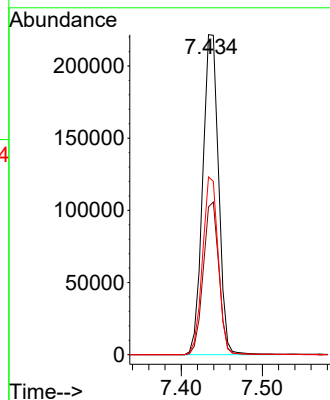
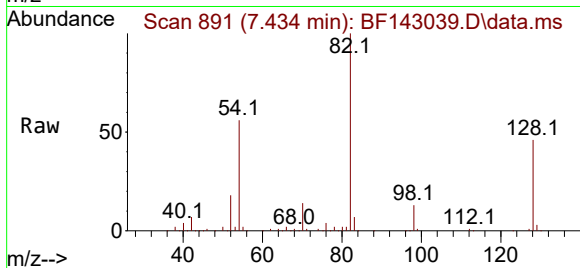
Tgt Ion: 82 Resp: 301356

Ion Ratio Lower Upper

82 100

128 46.2 37.7 56.5

54 55.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF143039.D

Acq: 08 Jul 2025 18:08

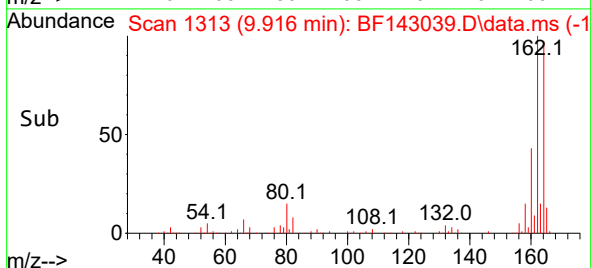
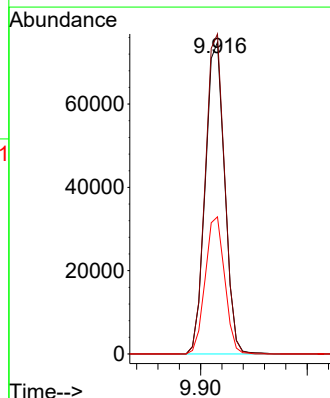
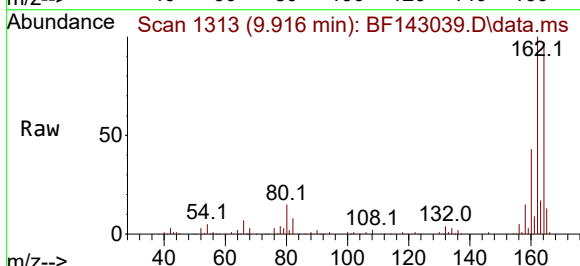
Tgt Ion:164 Resp: 94572

Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.8

160 44.0 36.0 54.0

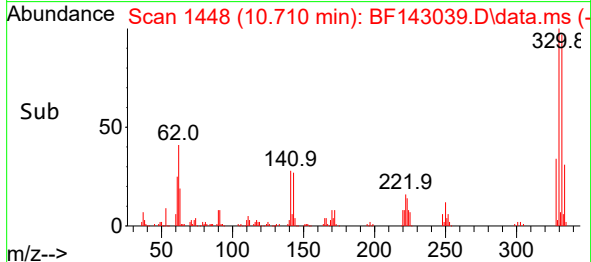
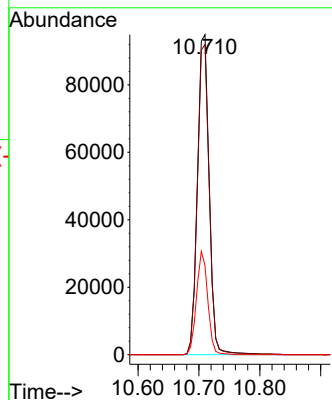
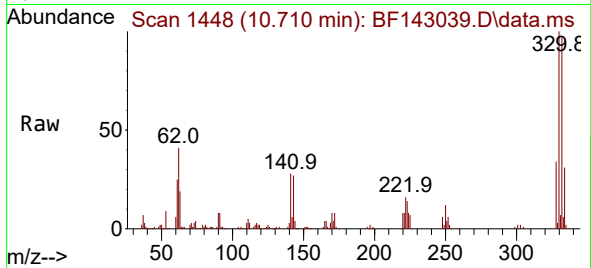




#42
 2,4,6-Tribromophenol
 Concen: 130.654 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. -0.006 min
 Lab File: BF143039.D
 Acq: 08 Jul 2025 18:08

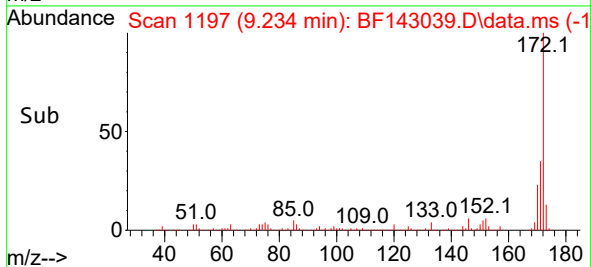
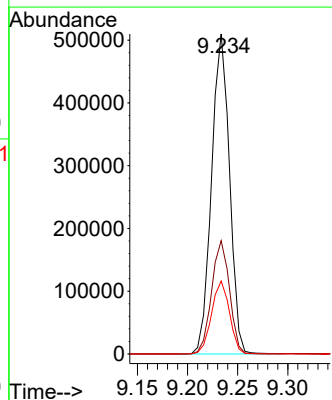
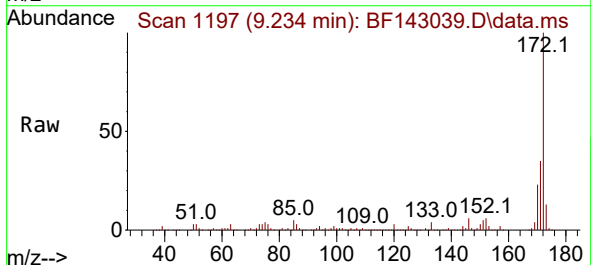
Instrument :
 BNA_F
 ClientSampleId :
 G4(0-6)

Tgt Ion:330 Resp: 127154
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.0 112.6
 141 30.8 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 88.242 ng
 RT: 9.234 min Scan# 1197
 Delta R.T. -0.011 min
 Lab File: BF143039.D
 Acq: 08 Jul 2025 18:08

Tgt Ion:172 Resp: 635260
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.2 42.4
 170 22.8 18.5 27.7

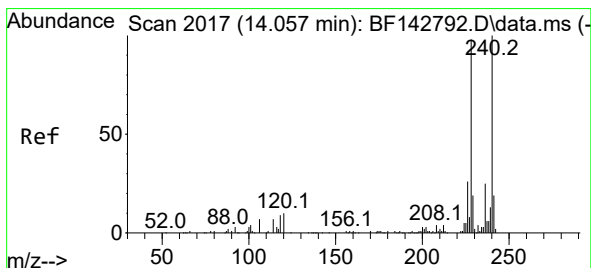
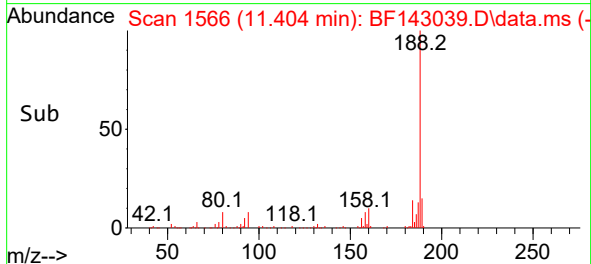
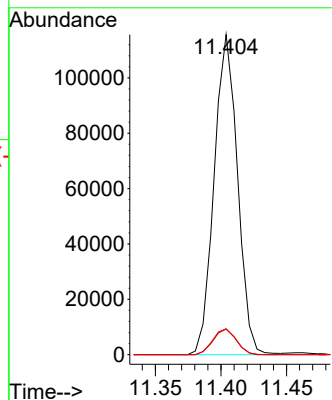
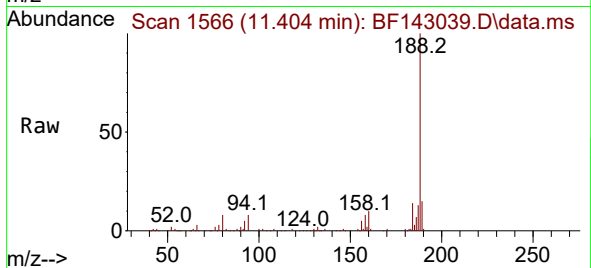




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

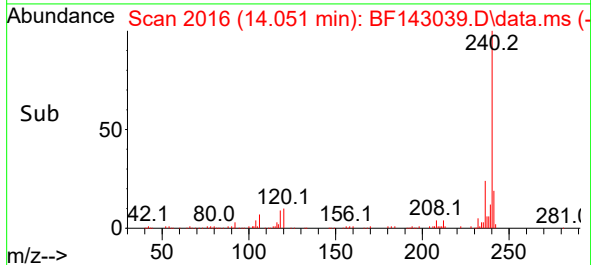
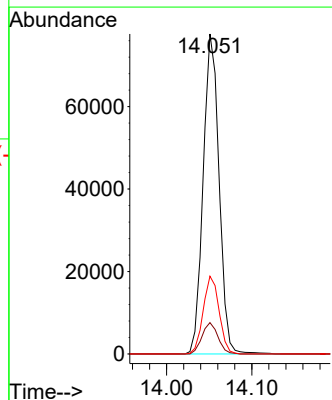
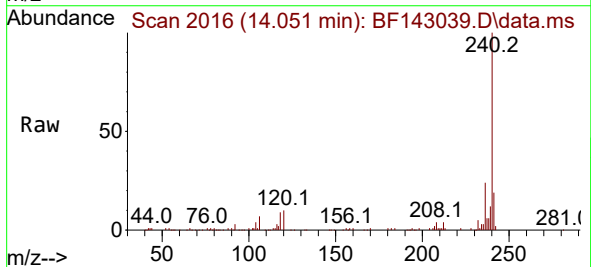
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

Tgt Ion:188 Resp: 143217
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.1 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:240 Resp: 100635
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 24.3 19.8 29.8

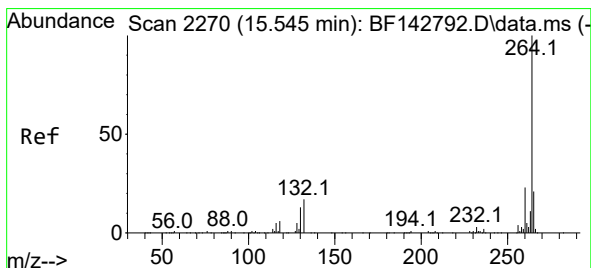
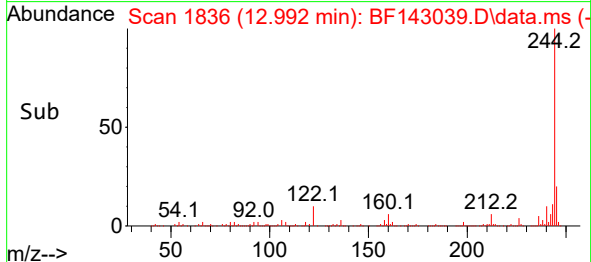
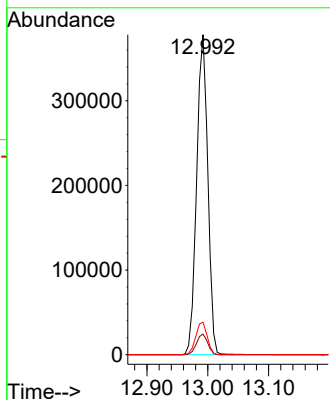
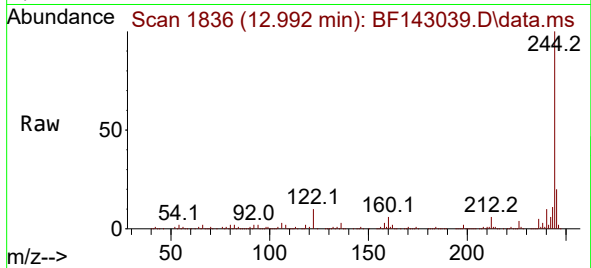




#79
 Terphenyl-d14
 Concen: 66.184 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143039.D
 Acq: 08 Jul 2025 18:08

Instrument :
 BNA_F
 ClientSampleId :
 G4(0-6)

Tgt Ion:244 Resp: 482045
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.2 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2271
 Delta R.T. 0.006 min
 Lab File: BF143039.D
 Acq: 08 Jul 2025 18:08

Tgt Ion:264 Resp: 123438
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.1 27.1
 265 20.7 16.6 25.0

