

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143008.D
 Acq On : 07 Jul 2025 14:47
 Operator : RC/JU
 Sample : Q2487-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G3(6-12)

Quant Time: Jul 07 15:07:16 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)

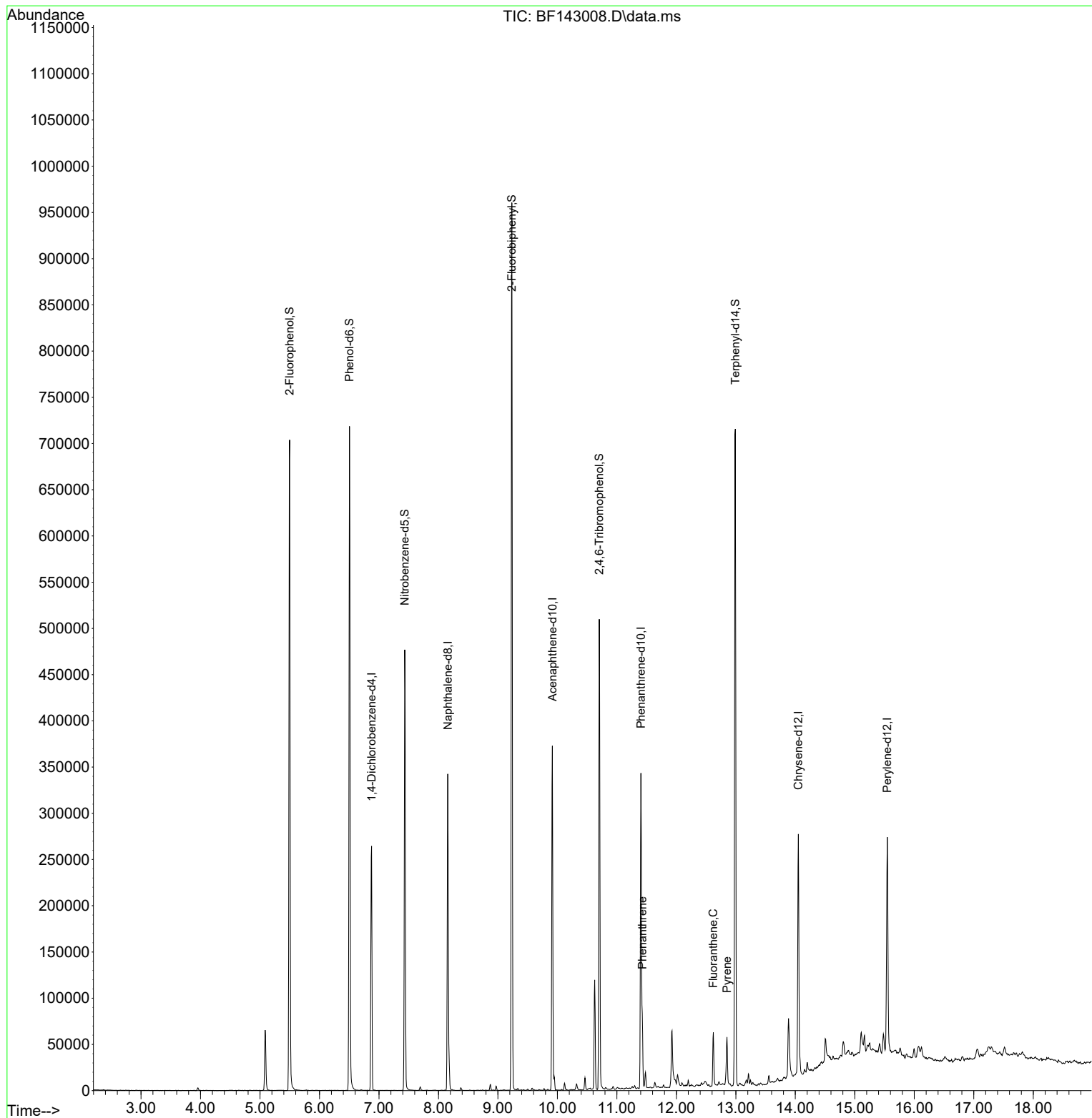
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	58747	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	219665	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	110534	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	175777	20.000	ng	0.00
76) Chrysene-d12	14.051	240	118055	20.000	ng	0.00
86) Perylene-d12	15.545	264	131217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	282533	80.072	ng	0.00
7) Phenol-d6	6.504	99	331615	79.659	ng	0.00
23) Nitrobenzene-d5	7.434	82	204828	51.146	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	90281	79.370	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	427824	50.846	ng	-0.01
79) Terphenyl-d14	12.992	244	355071	41.557	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	41976	4.408	ng	100
75) Fluoranthene	12.621	202	33704	3.730	ng	99
78) Pyrene	12.851	202	29348	2.652	ng	96

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

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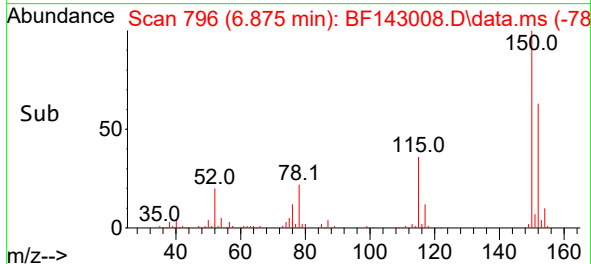
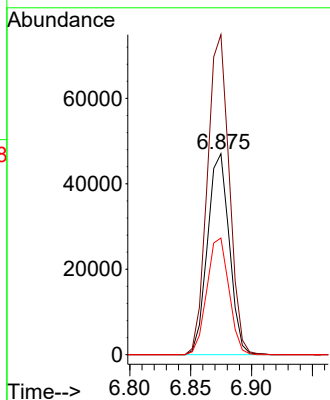
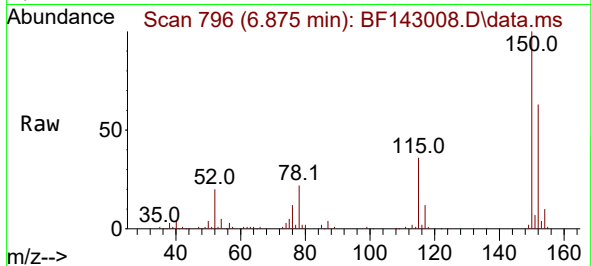




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF143008.D
 Acq: 07 Jul 2025 14:47

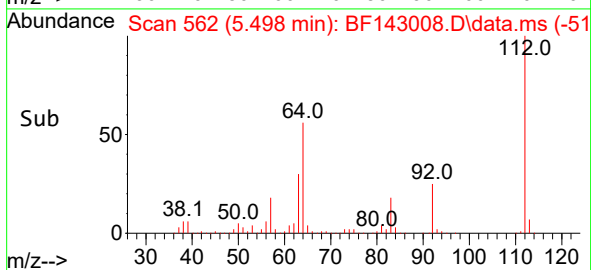
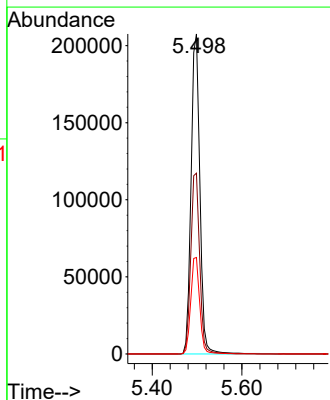
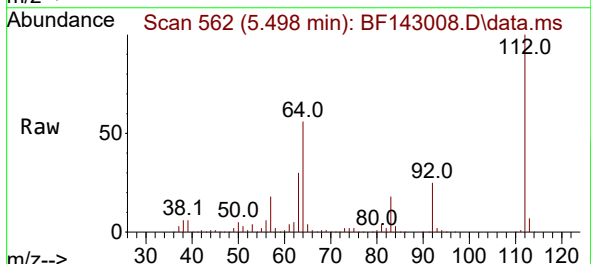
Instrument :
 BNA_F
 ClientSampleId :
 G3(6-12)

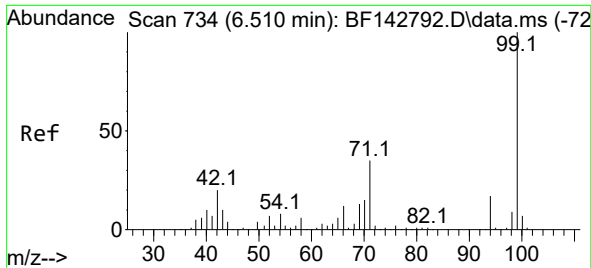
Tgt Ion:152 Resp: 58747
 Ion Ratio Lower Upper
 152 100
 150 159.2 127.2 190.8
 115 58.1 46.6 69.8



#5
 2-Fluorophenol
 Concen: 80.072 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF143008.D
 Acq: 07 Jul 2025 14:47

Tgt Ion:112 Resp: 282533
 Ion Ratio Lower Upper
 112 100
 64 56.5 48.2 72.2
 63 30.1 25.7 38.5

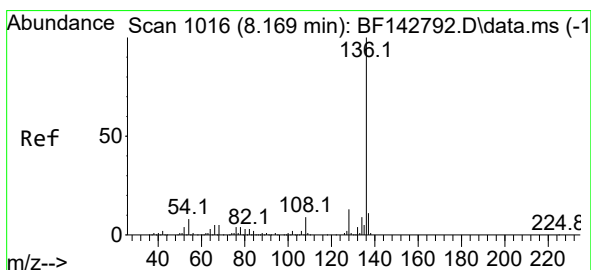
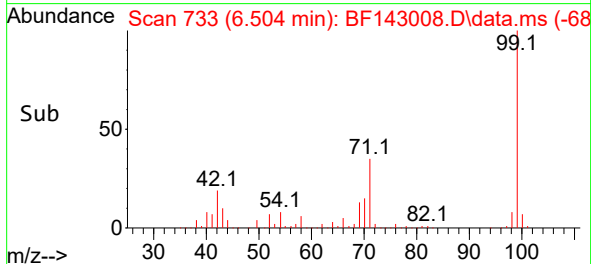
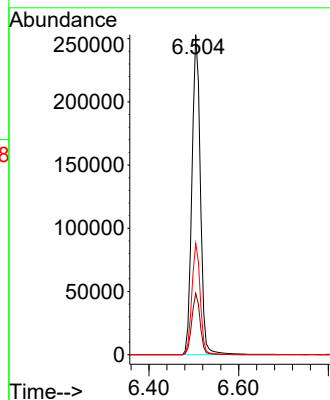
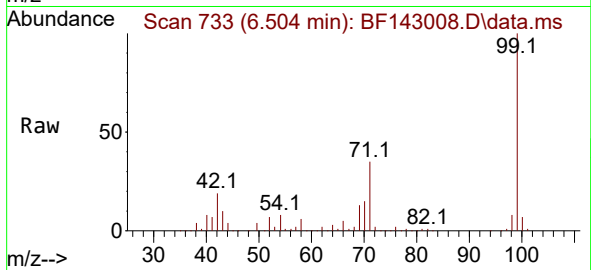




#7
Phenol-d6
Concen: 79.659 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

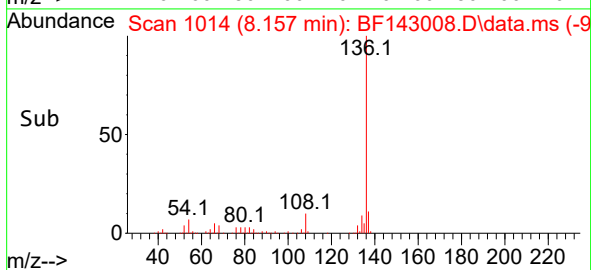
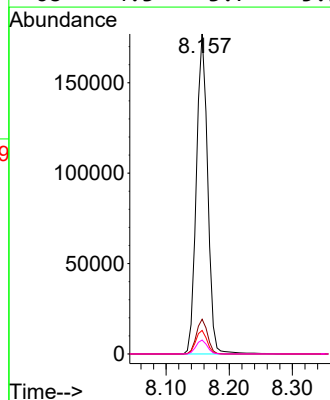
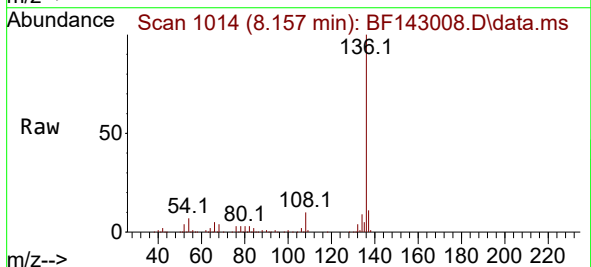
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

Tgt Ion: 99 Resp: 331615
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 34.8 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: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion: 136 Resp: 219665
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.3 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 51.146 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143008.D

Acq: 07 Jul 2025 14:47

Instrument :

BNA_F

ClientSampleId :

G3(6-12)

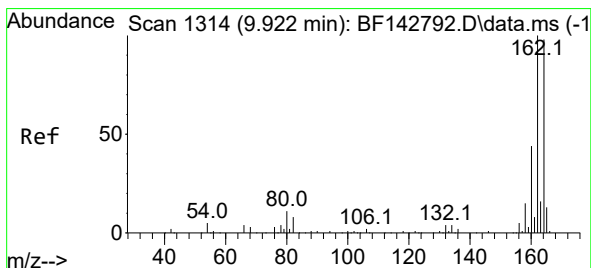
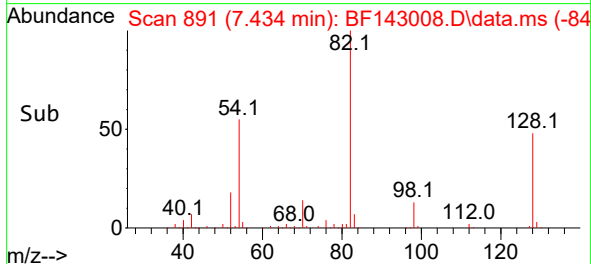
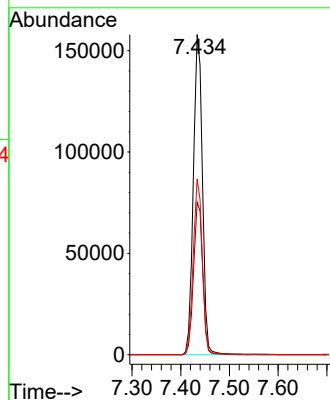
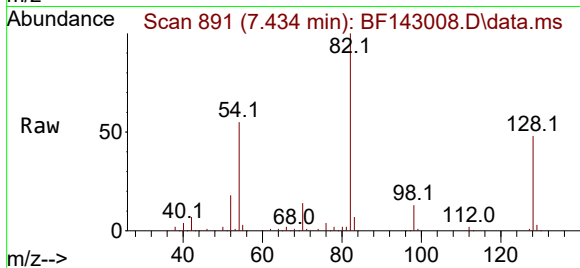
Tgt Ion: 82 Resp: 204828

Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 54.9 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: BF143008.D

Acq: 07 Jul 2025 14:47

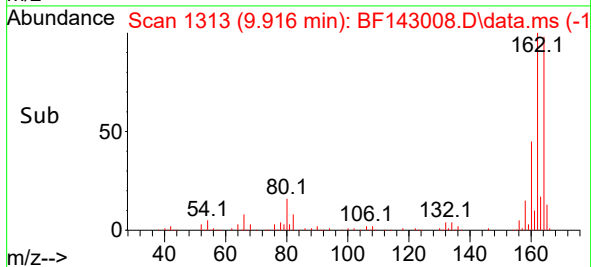
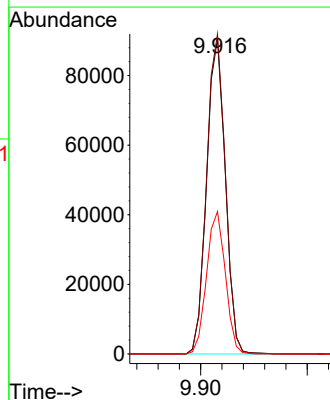
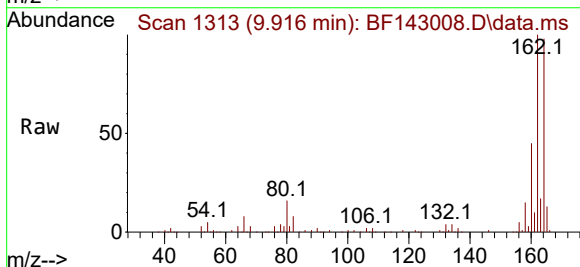
Tgt Ion:164 Resp: 110534

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.8

160 45.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 79.370 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143008.D

Acq: 07 Jul 2025 14:47

Instrument :

BNA_F

ClientSampleId :

G3(6-12)

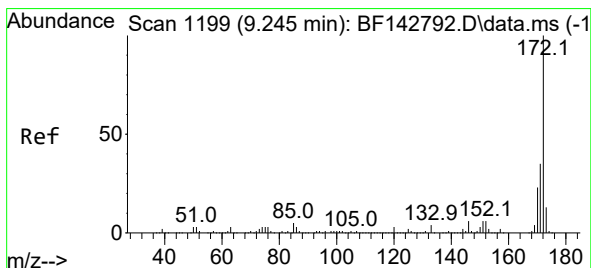
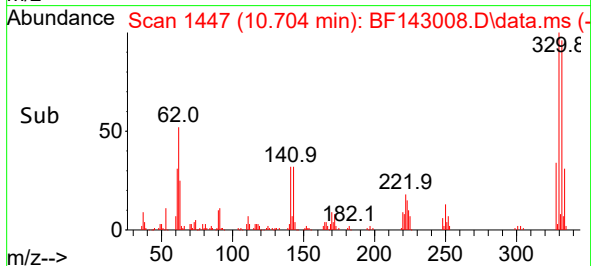
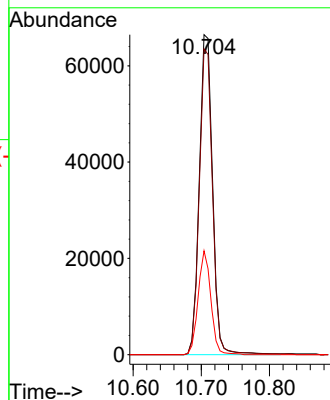
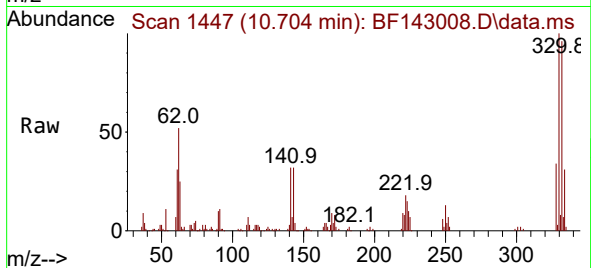
Tgt Ion:330 Resp: 90281

Ion Ratio Lower Upper

330 100

332 95.3 75.0 112.6

141 30.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 50.846 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143008.D

Acq: 07 Jul 2025 14:47

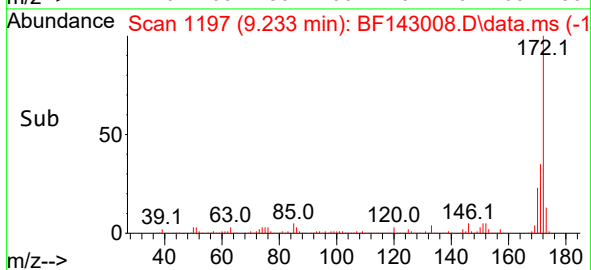
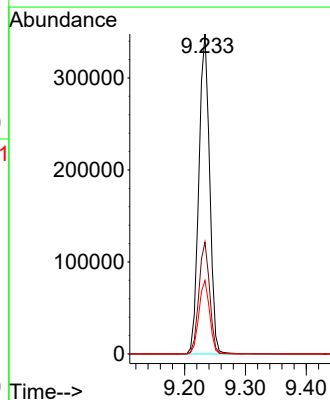
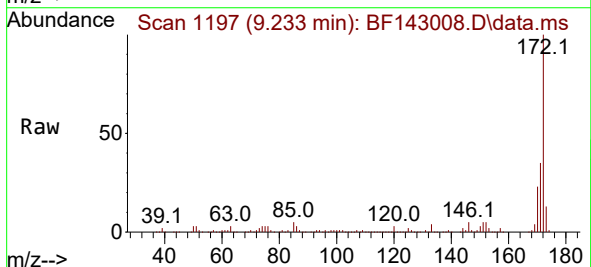
Tgt Ion:172 Resp: 427824

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.9 18.5 27.7

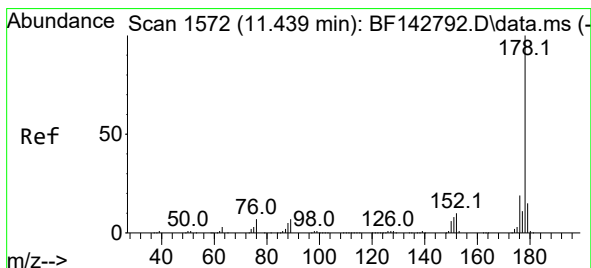
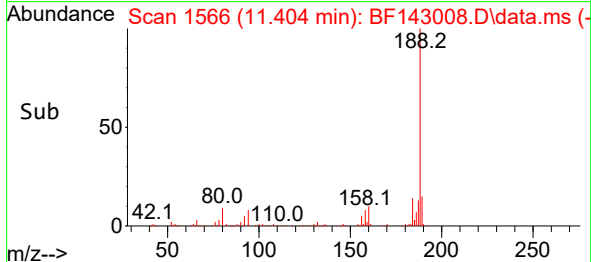
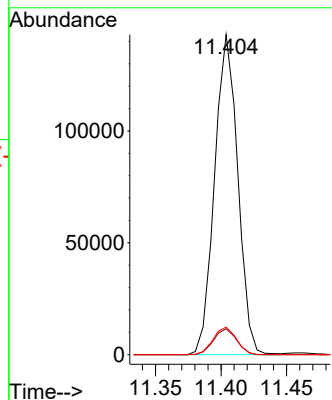
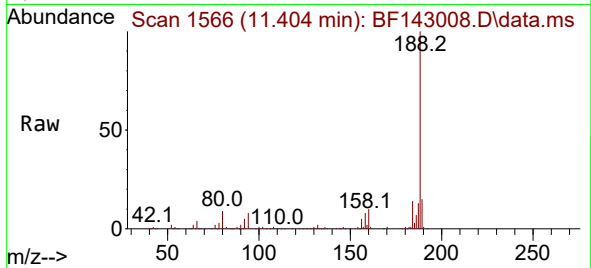




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

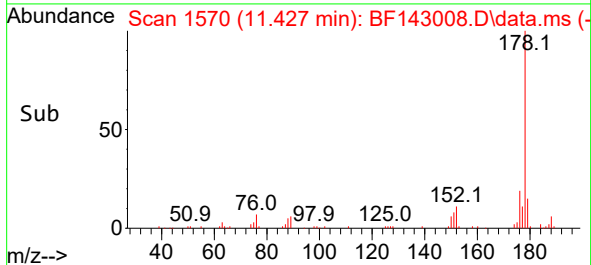
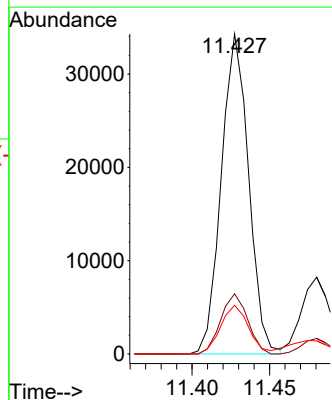
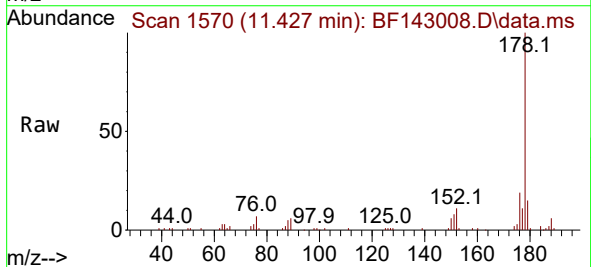
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

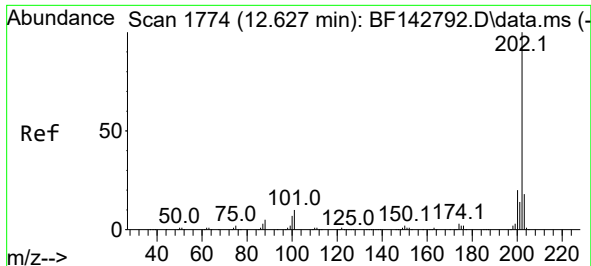
Tgt Ion:188 Resp: 175777
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.6 6.9 10.3



#71
Phenanthrene
Concen: 4.408 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion:178 Resp: 41976
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.2 12.0 18.0

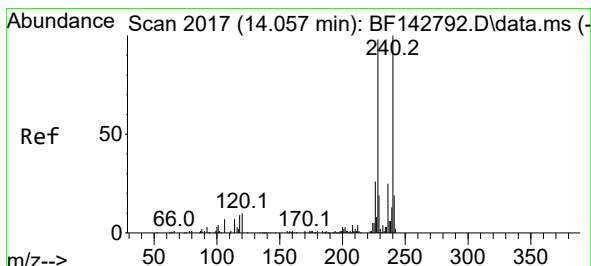
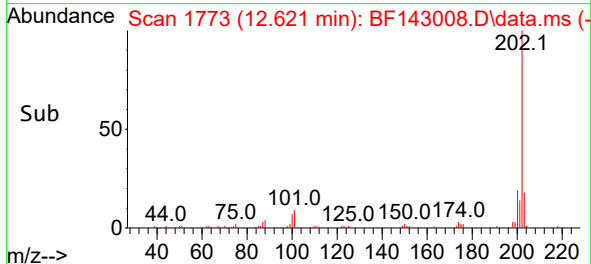
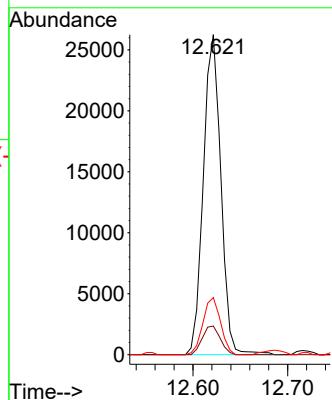
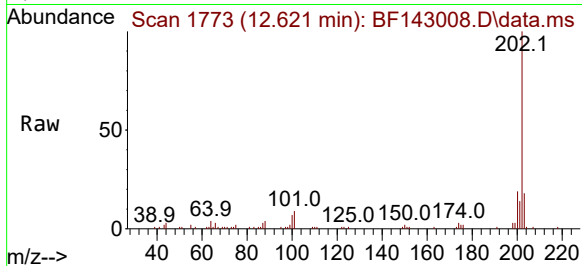




#75
Fluoranthene
Concen: 3.730 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

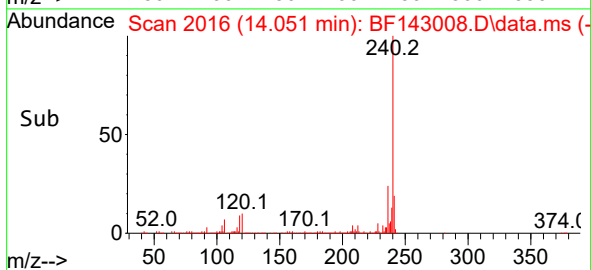
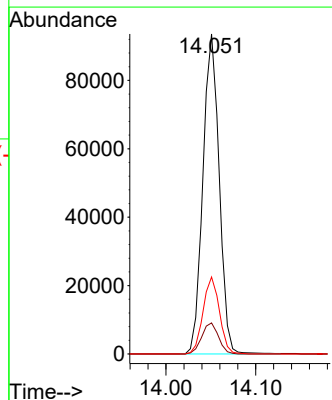
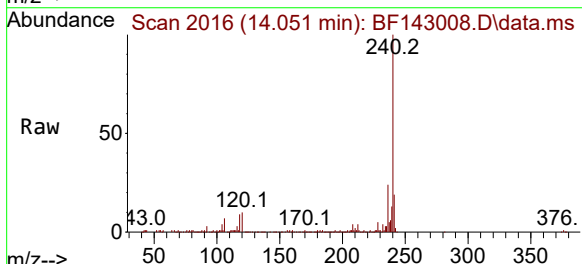
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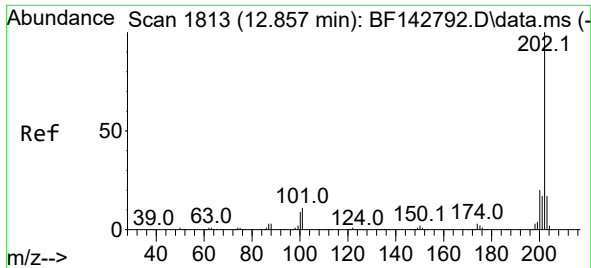
Tgt Ion:202 Resp: 33704
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion:240 Resp: 118055
Ion Ratio Lower Upper
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120 9.7 8.2 12.2
236 24.0 19.8 29.8

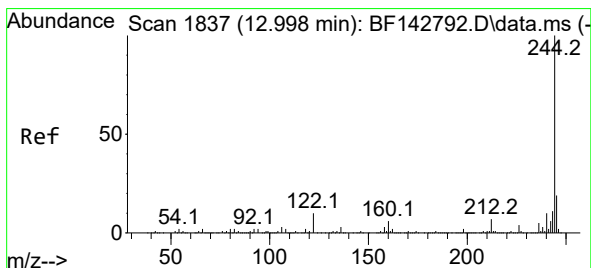
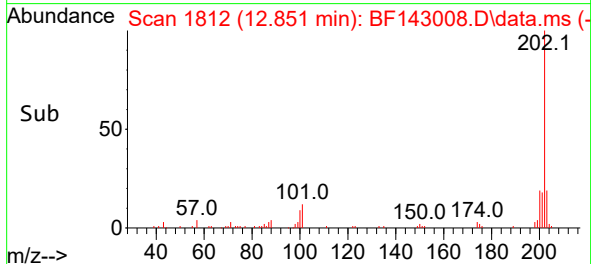
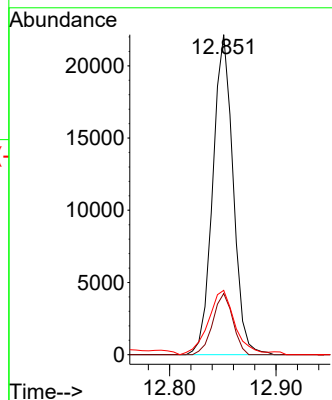
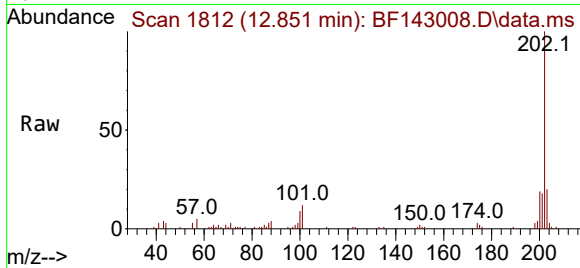




#78
 Pyrene
 Concen: 2.652 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143008.D
 Acq: 07 Jul 2025 14:47

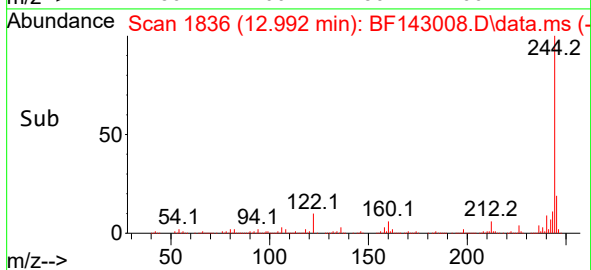
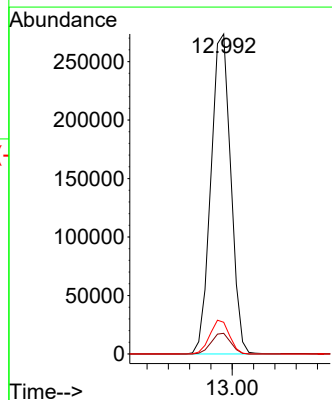
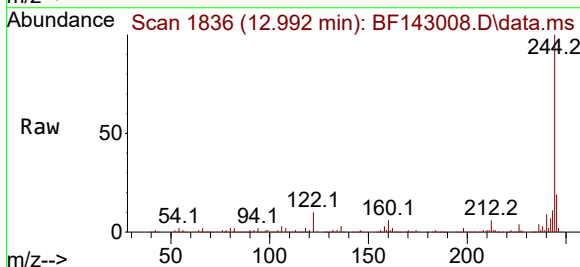
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 BNA_F
 ClientSampleId :
 G3(6-12)

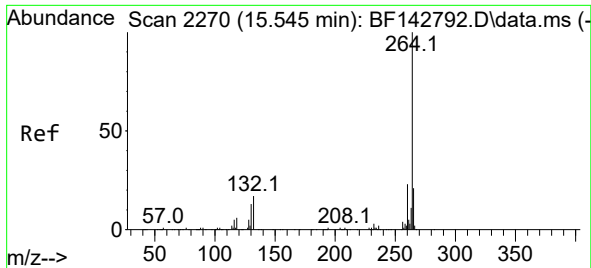
Tgt Ion:202 Resp: 29348
 Ion Ratio Lower Upper
 202 100
 200 19.1 15.7 23.5
 203 20.1 13.8 20.6



#79
 Terphenyl-d14
 Concen: 41.557 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143008.D
 Acq: 07 Jul 2025 14:47

Tgt Ion:244 Resp: 355071
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.9 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143008.D
 Acq: 07 Jul 2025 14:47

Instrument :
 BNA_F
 ClientSampleId :
 G3(6-12)

Tgt Ion:264 Resp: 131217
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.8 16.6 25.0

