

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143045.D
 Acq On : 08 Jul 2025 21:12
 Operator : RC/JU
 Sample : Q2514-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-90

Quant Time: Jul 09 01:42:24 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)

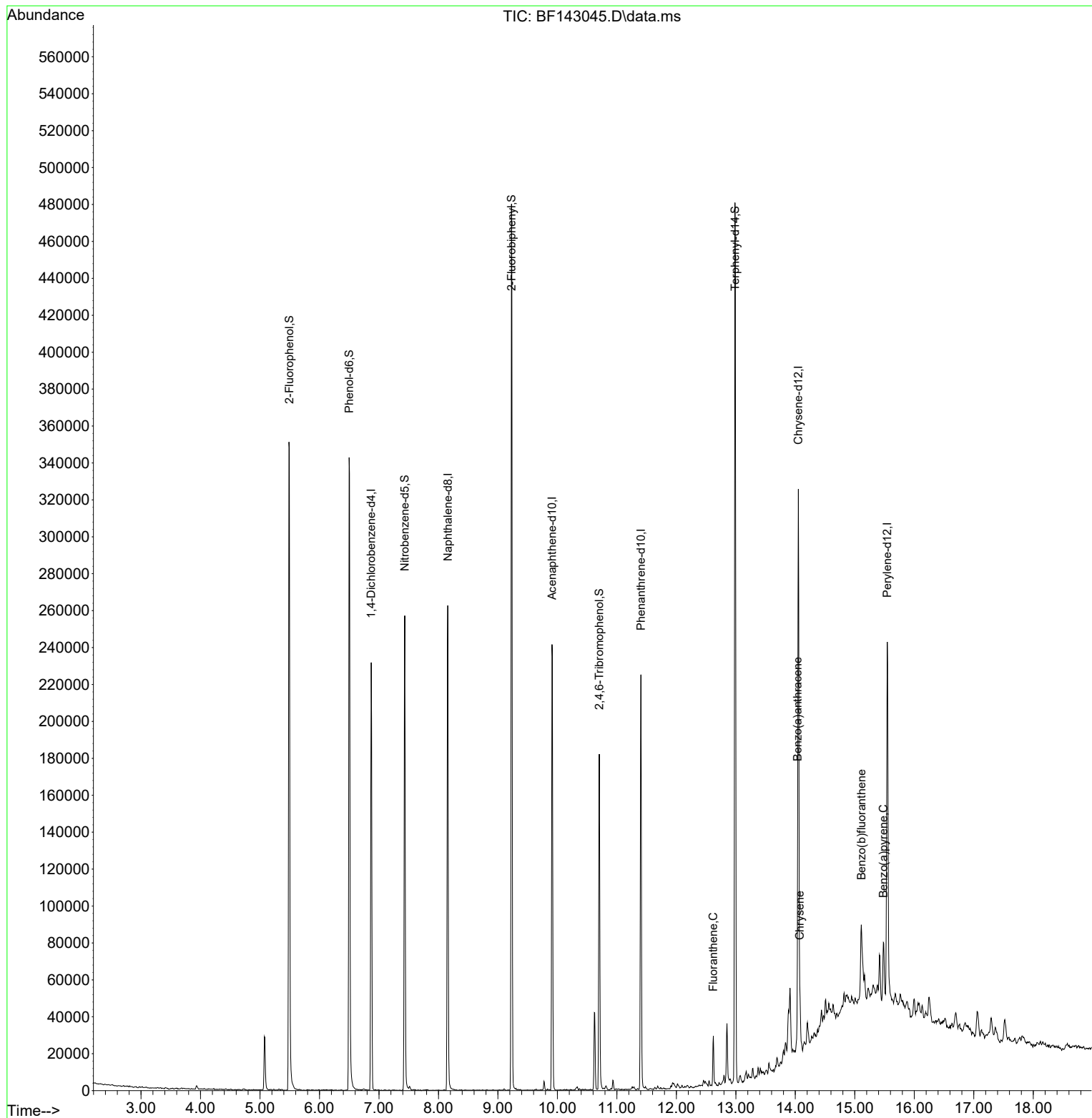
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	51734	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	174400	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	74685	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	119276	20.000	ng	0.00
76) Chrysene-d12	14.051	240	133812	20.000	ng	0.00
86) Perylene-d12	15.545	264	110430	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	151318	48.698	ng	0.00
7) Phenol-d6	6.498	99	172557	47.070	ng	-0.01
23) Nitrobenzene-d5	7.434	82	109513	34.443	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	32081	41.742	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	217850	38.319	ng	-0.02
79) Terphenyl-d14	12.986	244	229817	23.730	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.622	202	15998	2.609	ng	100
81) Benzo(a)anthracene	14.039	228	18292	2.026	ng	95
83) Chrysene	14.074	228	16427	2.039	ng	94
88) Benzo(b)fluoranthene	15.110	252	23892m	3.739	ng	
90) Benzo(a)pyrene	15.480	252	16820	2.725	ng	# 94

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

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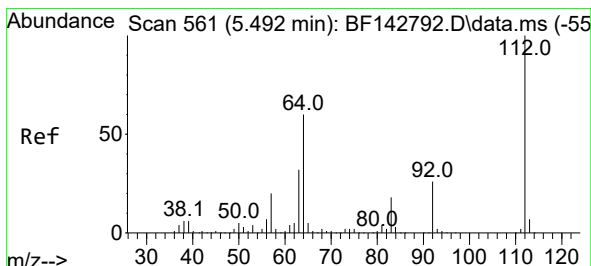
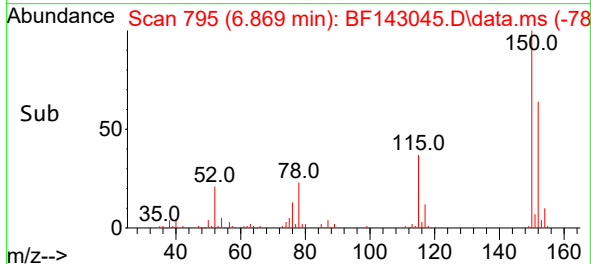
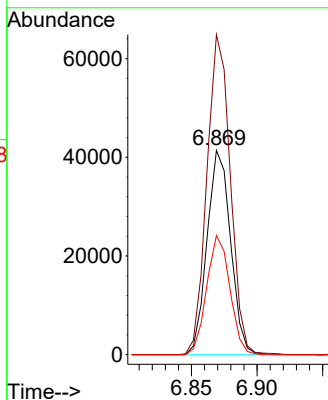
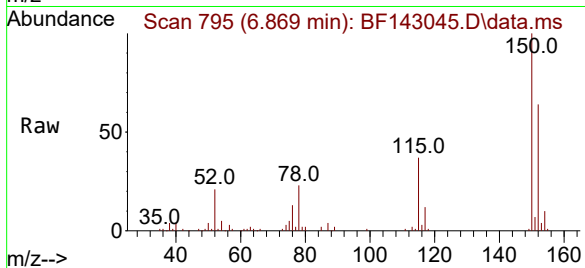




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

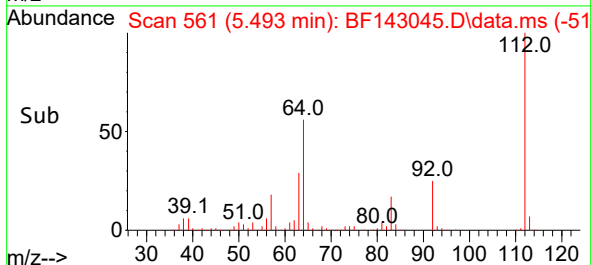
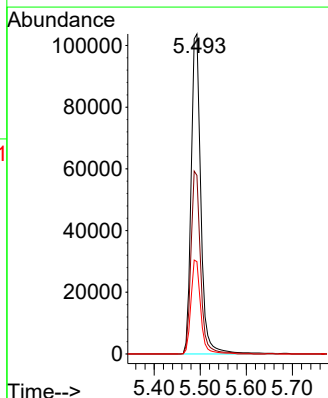
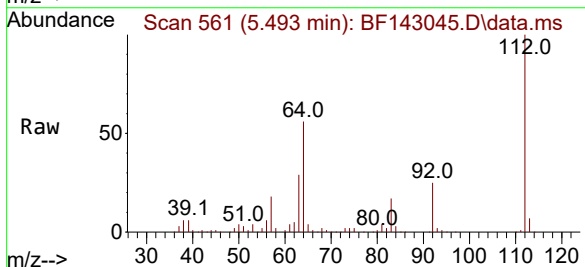
Instrument :
BNA_F
ClientSampleId :
TP-90

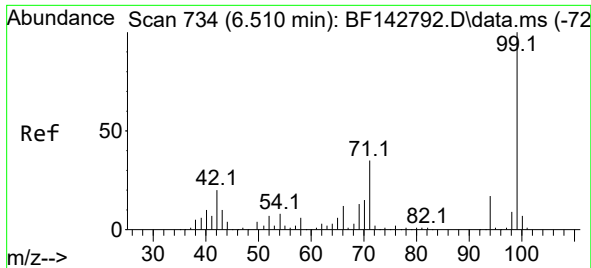
Tgt Ion:152 Resp: 51734
Ion Ratio Lower Upper
152 100
150 156.6 127.2 190.8
115 58.3 46.6 69.8



#5
2-Fluorophenol
Concen: 48.698 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:112 Resp: 151318
Ion Ratio Lower Upper
112 100
64 55.8 48.2 72.2
63 28.9 25.7 38.5

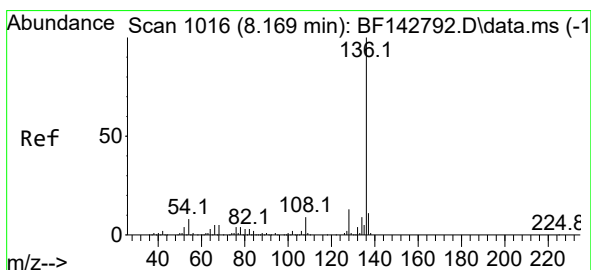
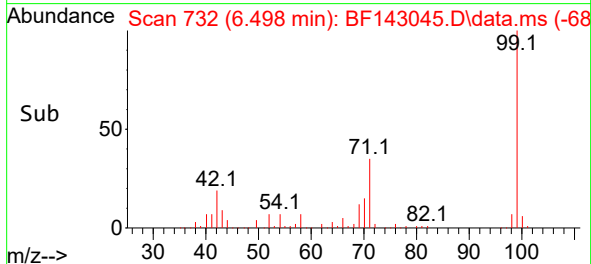
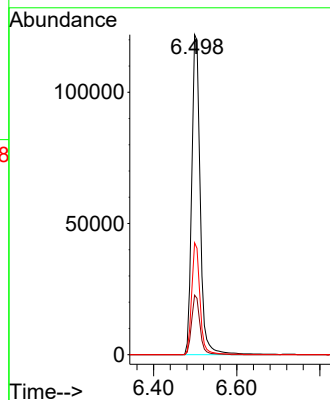
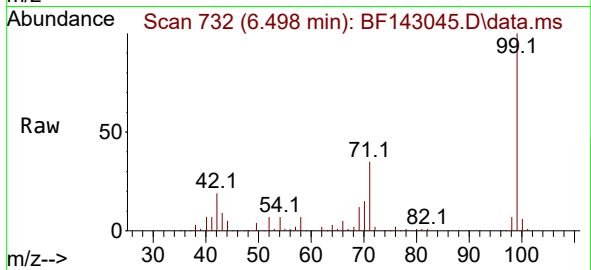




#7
Phenol-d6
Concen: 47.070 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

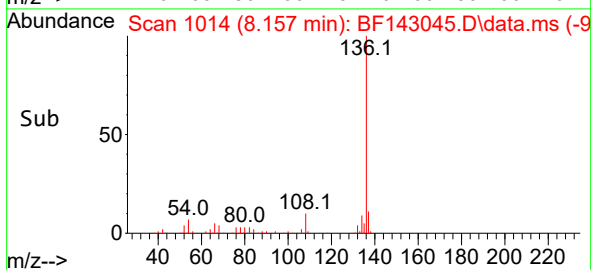
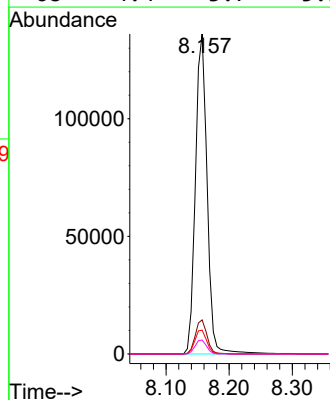
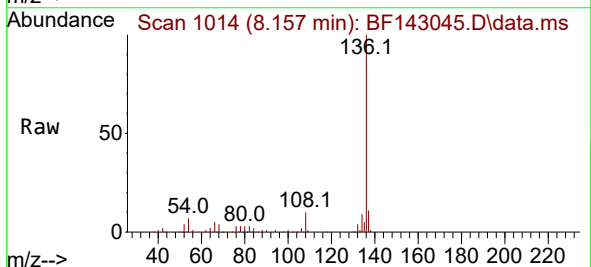
Instrument :
BNA_F
ClientSampleId :
TP-90

Tgt Ion: 99 Resp: 172557
Ion Ratio Lower Upper
99 100
42 18.6 15.9 23.9
71 34.9 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: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion: 136 Resp: 174400
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.5 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 34.443 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90

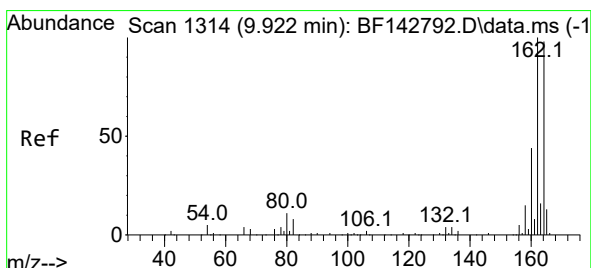
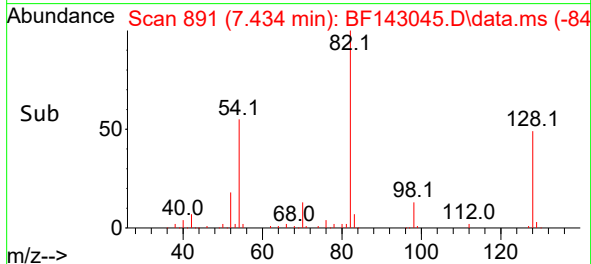
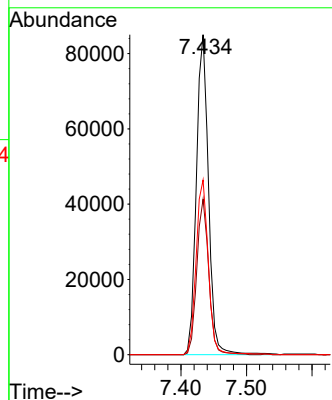
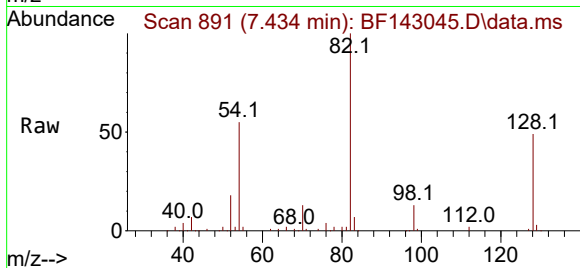
Tgt Ion: 82 Resp: 109513

Ion Ratio Lower Upper

82 100

128 48.6 37.7 56.5

54 54.6 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: BF143045.D

Acq: 08 Jul 2025 21:12

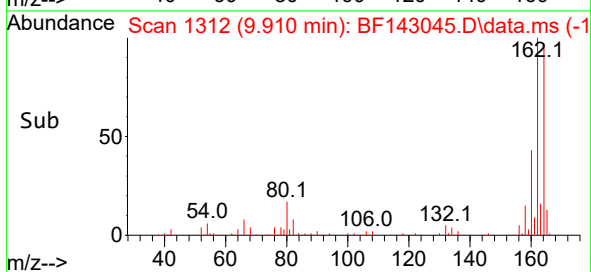
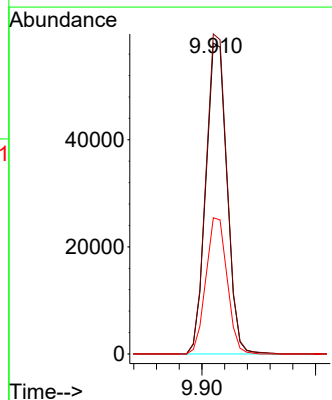
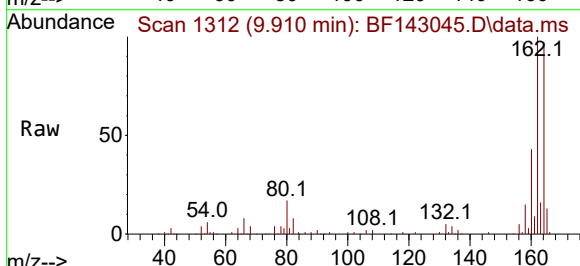
Tgt Ion:164 Resp: 74685

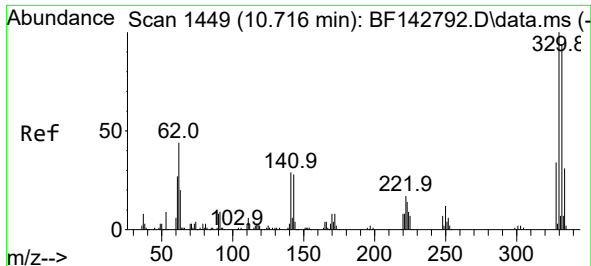
Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.8

160 43.8 36.0 54.0

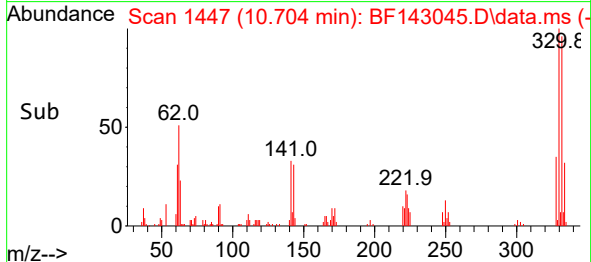
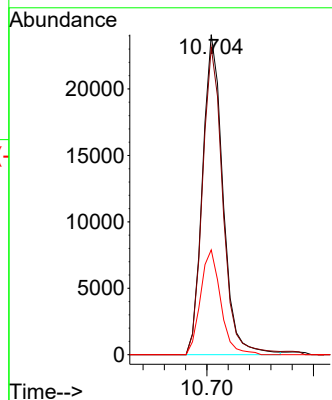
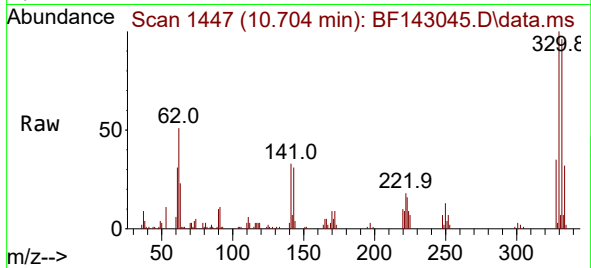




#42
2,4,6-Tribromophenol
Concen: 41.742 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

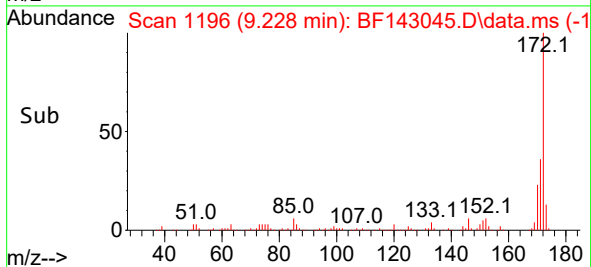
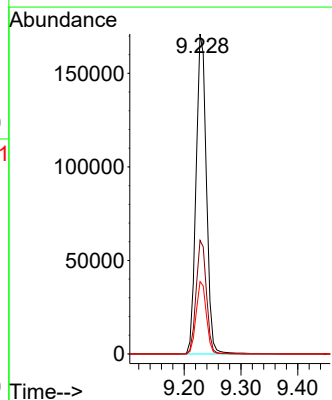
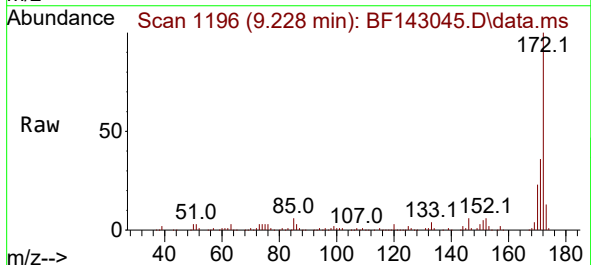
Instrument :
BNA_F
ClientSampleId :
TP-90

Tgt Ion: 330 Resp: 32081
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.6
141 32.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 38.319 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion: 172 Resp: 217850
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 22.6 18.5 27.7

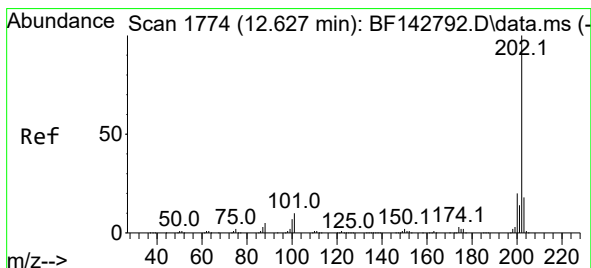
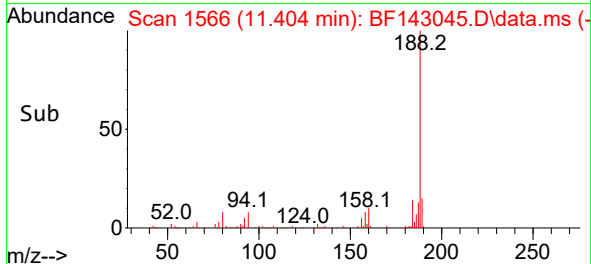
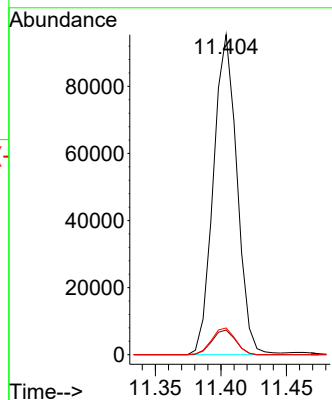
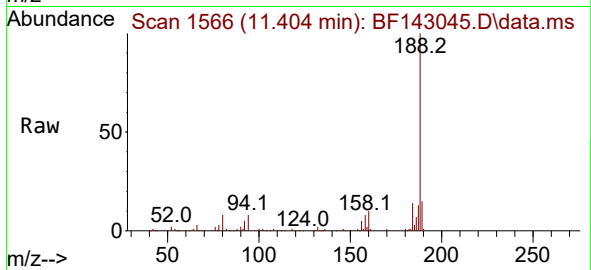




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

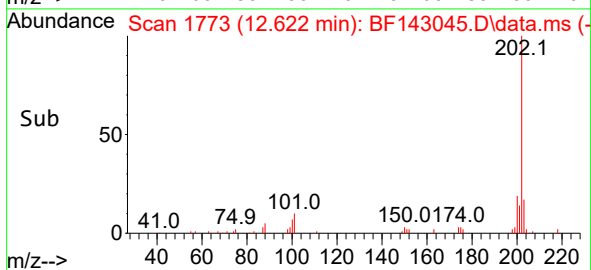
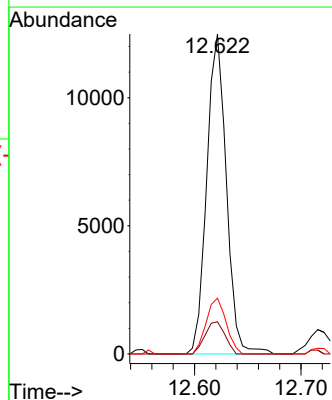
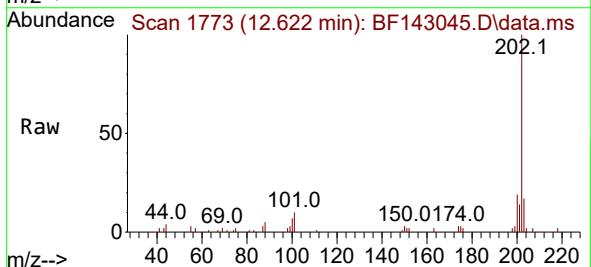
Instrument :
BNA_F
ClientSampleId :
TP-90

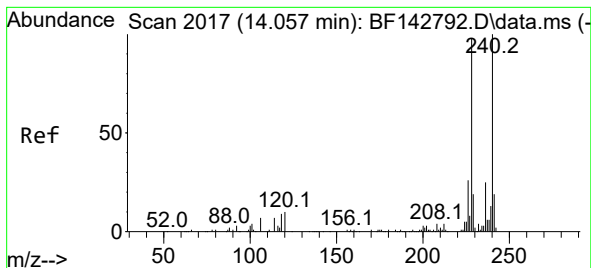
Tgt Ion:188 Resp: 119276
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.4 6.9 10.3



#75
Fluoranthene
Concen: 2.609 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:202 Resp: 15998
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90

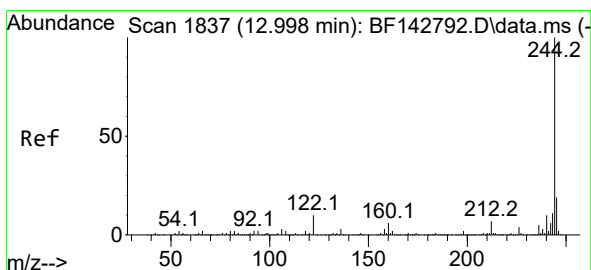
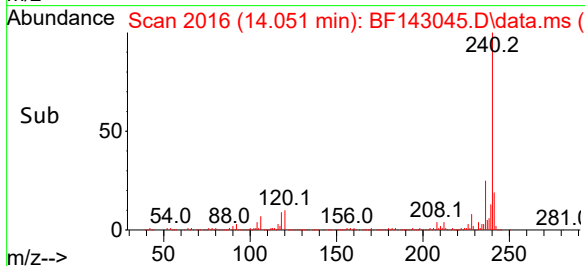
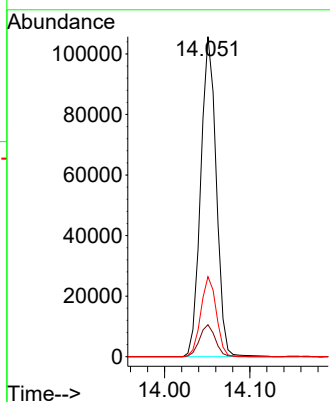
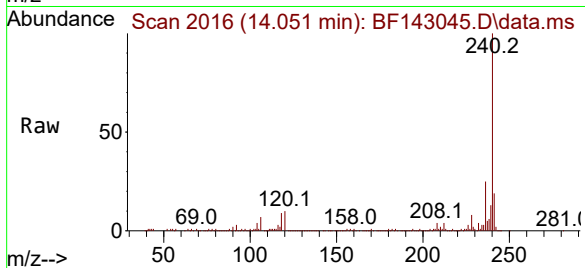
Tgt Ion:240 Resp: 133812

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 25.0 19.8 29.8



#79

Terphenyl-d14

Concen: 23.730 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

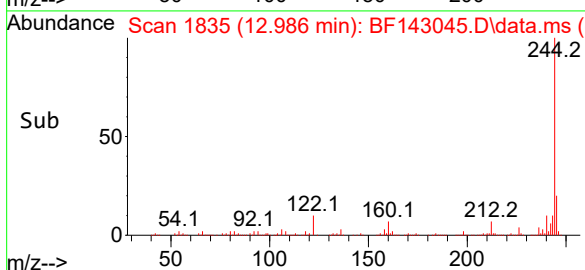
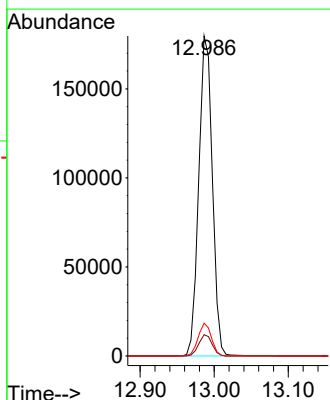
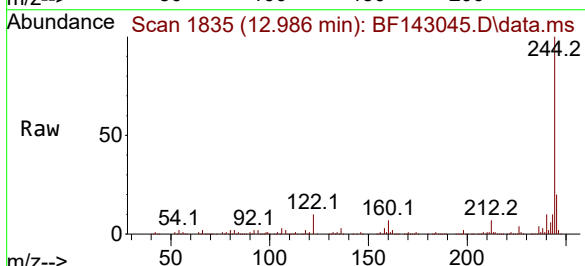
Tgt Ion:244 Resp: 229817

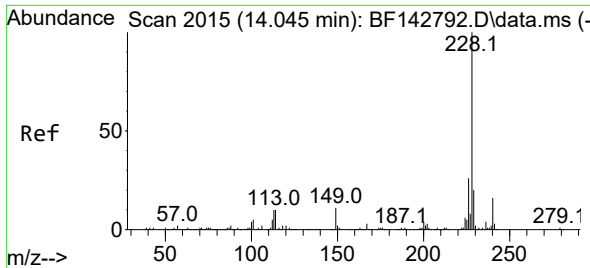
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.3 8.2 12.2

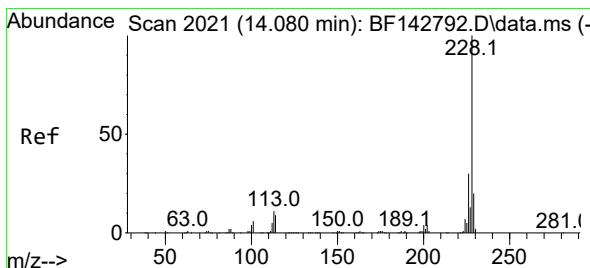
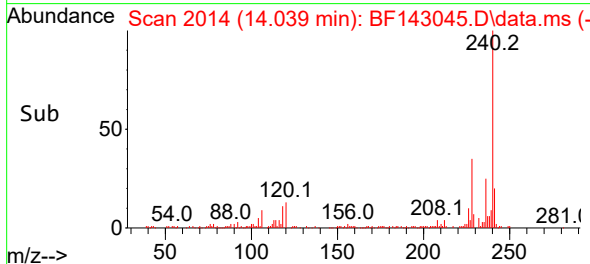
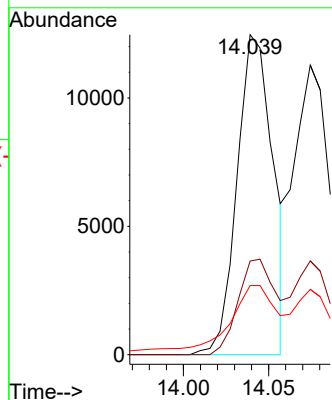
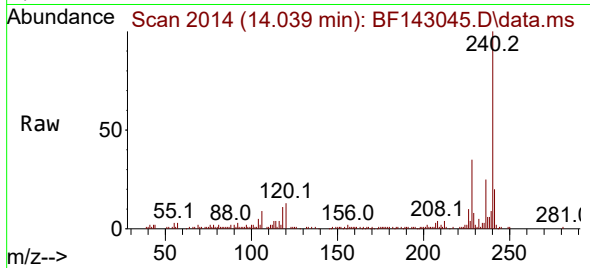




#81
Benzo(a)anthracene
Concen: 2.026 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

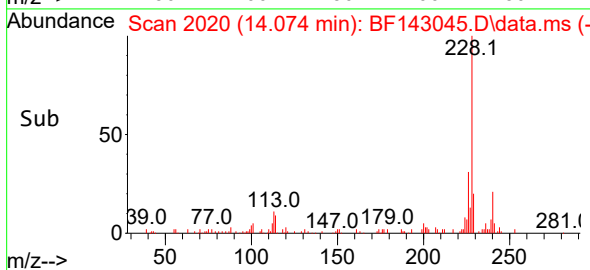
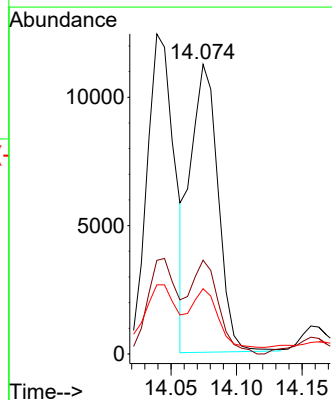
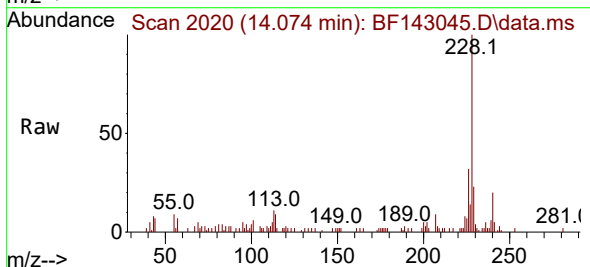
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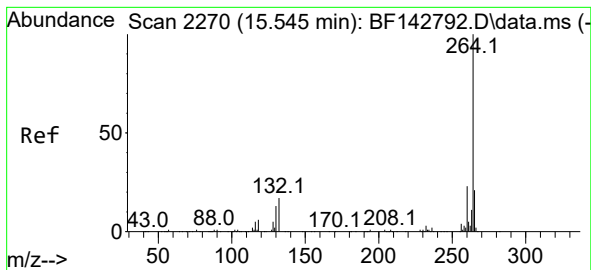
Tgt Ion:228 Resp: 18292
Ion Ratio Lower Upper
228 100
226 29.3 21.2 31.8
229 21.6 15.6 23.4



#83
Chrysene
Concen: 2.039 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:228 Resp: 16427
Ion Ratio Lower Upper
228 100
226 32.4 23.7 35.5
229 22.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90

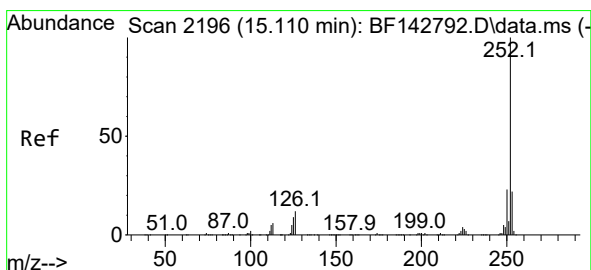
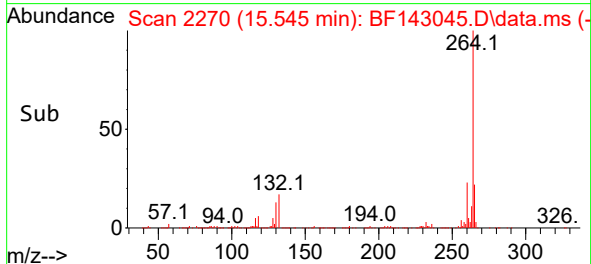
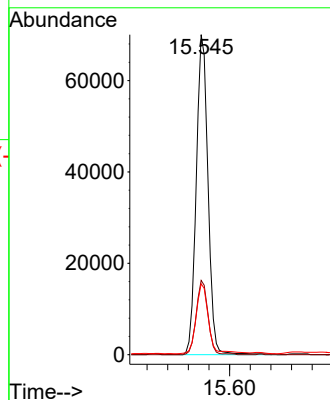
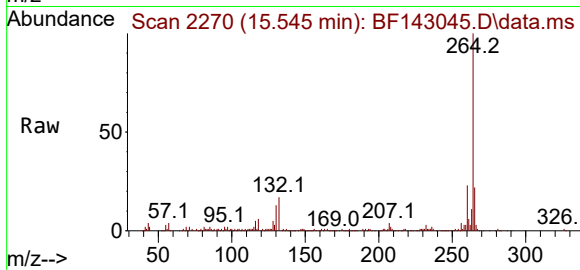
Tgt Ion:264 Resp: 110430

Ion Ratio Lower Upper

264 100

260 23.2 18.1 27.1

265 22.2 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 3.739 ng m

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

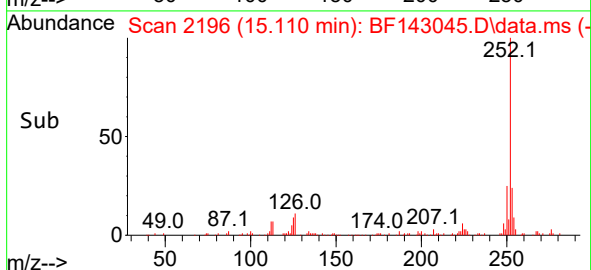
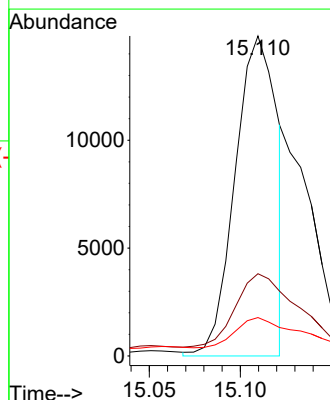
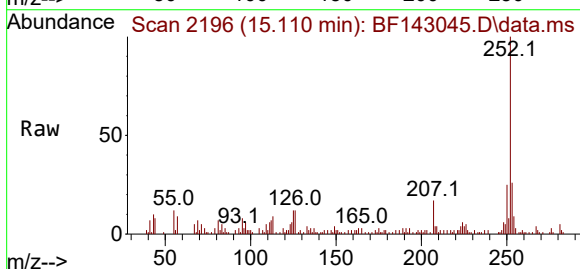
Tgt Ion:252 Resp: 23892

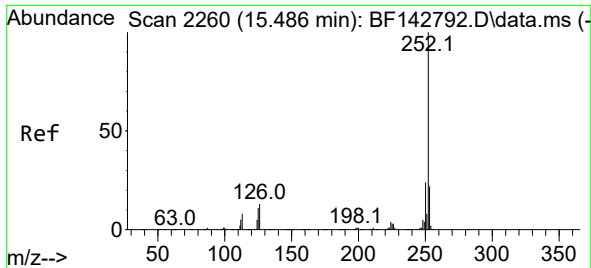
Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

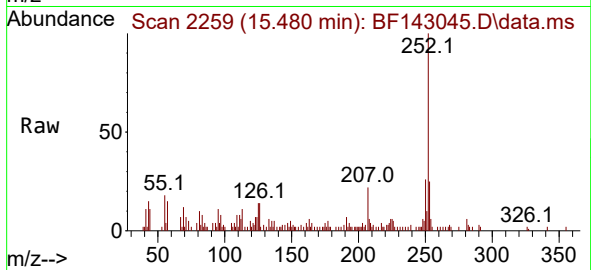
125 12.0 7.4 11.0#





#90
Benzo(a)pyrene
Concen: 2.725 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Instrument :
BNA_F
ClientSampleId :
TP-90



Tgt Ion:252 Resp: 16820
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 13.7 8.6 12.8#

