

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143016.D
 Acq On : 07 Jul 2025 18:51
 Operator : RC/JU
 Sample : Q2513-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-070325

Quant Time: Jul 08 00:58:02 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)

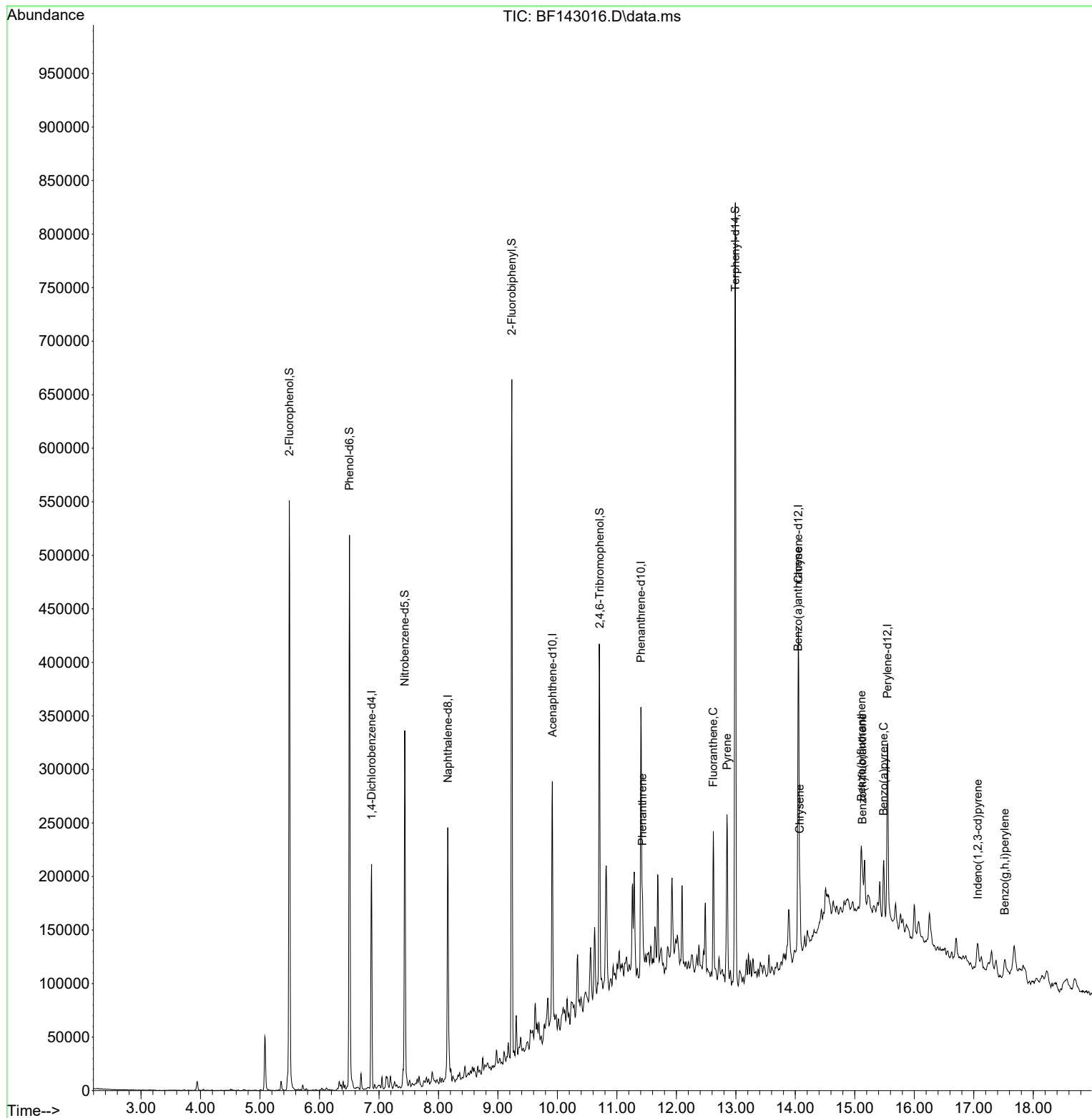
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	46272	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	149865	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	68487	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	124751	20.000	ng	0.00
76) Chrysene-d12	14.051	240	129401	20.000	ng	0.00
86) Perylene-d12	15.551	264	89939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	214352	77.127	ng	0.00
7) Phenol-d6	6.504	99	235966	71.964	ng	0.00
23) Nitrobenzene-d5	7.434	82	140102	51.278	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	58396	82.857	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	279650	53.641	ng	-0.01
79) Terphenyl-d14	12.992	244	356539	38.070	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.428	178	34097	5.046	ng	98
75) Fluoranthene	12.622	202	74221	11.573	ng	98
78) Pyrene	12.851	202	74223	6.119	ng	98
81) Benzo(a)anthracene	14.045	228	43307	4.961	ng	# 91
83) Chrysene	14.075	228	31285	4.016	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.068	276	14995	2.189	ng	98
88) Benzo(b)fluoranthene	15.110	252	38741m	7.444	ng	
89) Benzo(k)fluoranthene	15.127	252	12284m	2.523	ng	
90) Benzo(a)pyrene	15.486	252	27150	5.400	ng	# 91
92) Benzo(g,h,i)perylene	17.521	276	14394	2.593	ng	# 93

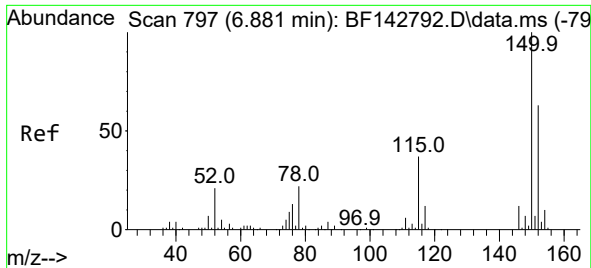
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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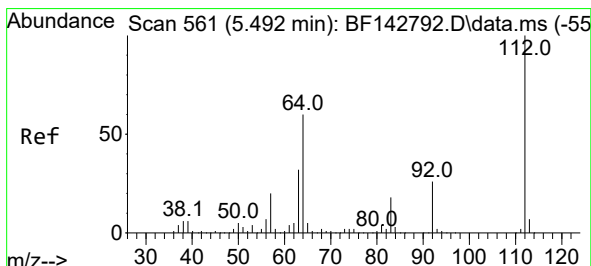
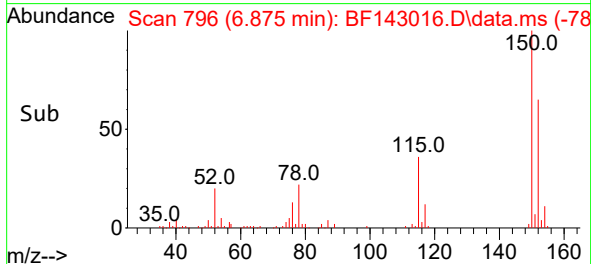
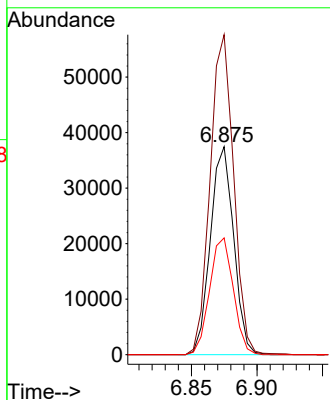
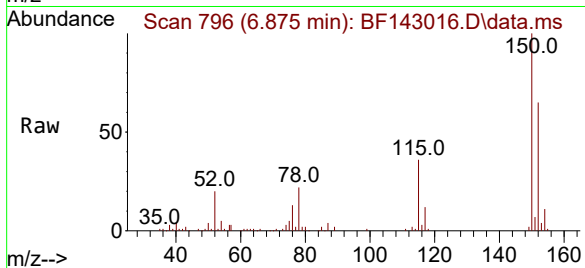




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143016.D
 Acq: 07 Jul 2025 18:51

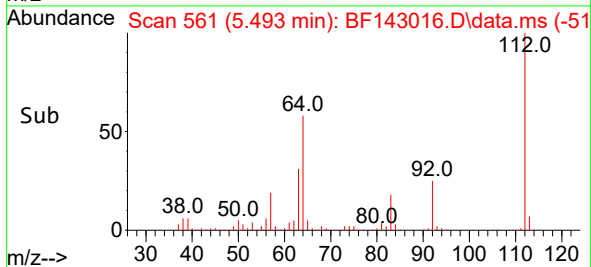
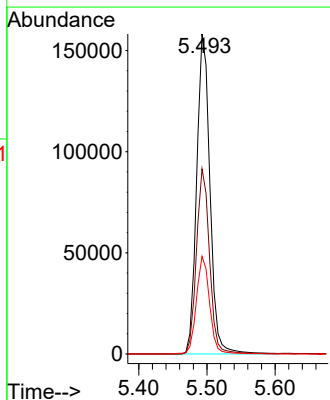
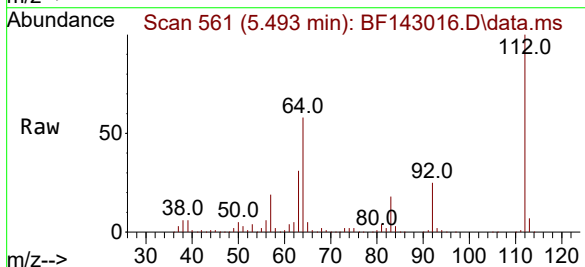
Instrument :
 BNA_F
 ClientSampleId :
 HR-3-070325

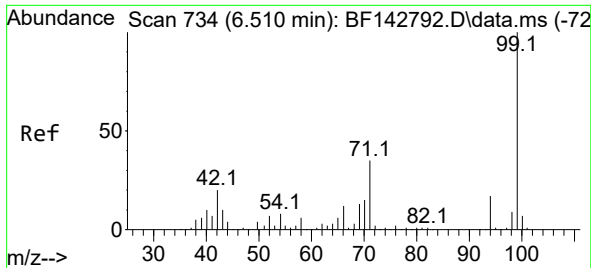
Tgt Ion:152 Resp: 46272
 Ion Ratio Lower Upper
 152 100
 150 153.8 127.2 190.8
 115 56.1 46.6 69.8



#5
 2-Fluorophenol
 Concen: 77.127 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF143016.D
 Acq: 07 Jul 2025 18:51

Tgt Ion:112 Resp: 214352
 Ion Ratio Lower Upper
 112 100
 64 57.9 48.2 72.2
 63 30.5 25.7 38.5

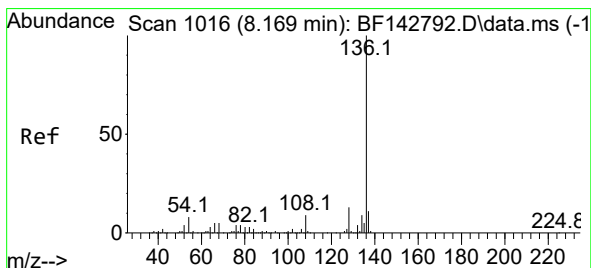
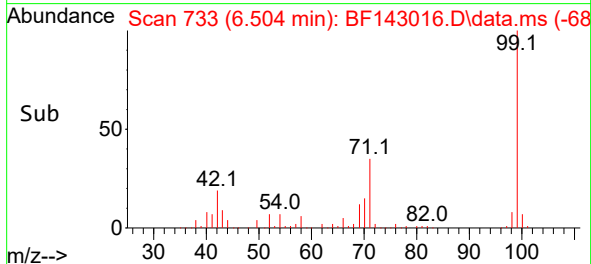
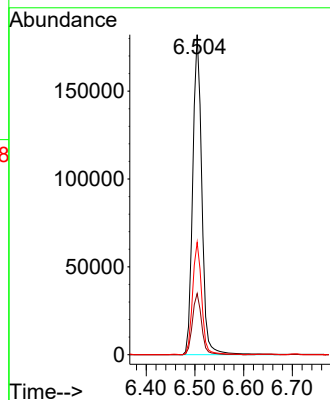
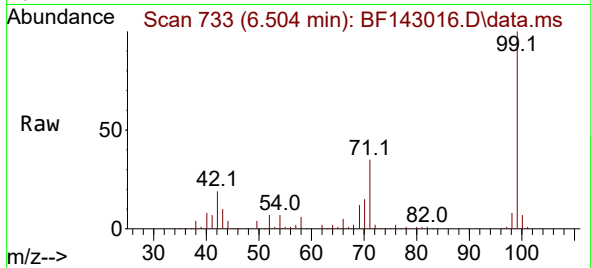




#7
Phenol-d6
Concen: 71.964 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

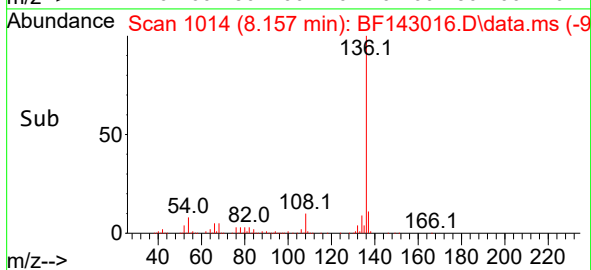
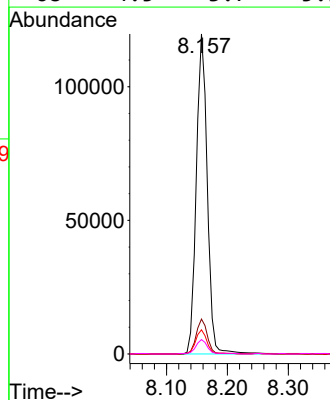
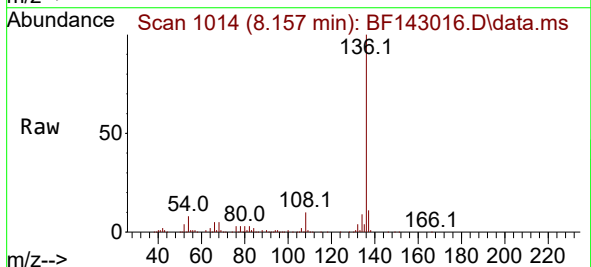
Instrument :
BNA_F
ClientSampleId :
HR-3-070325

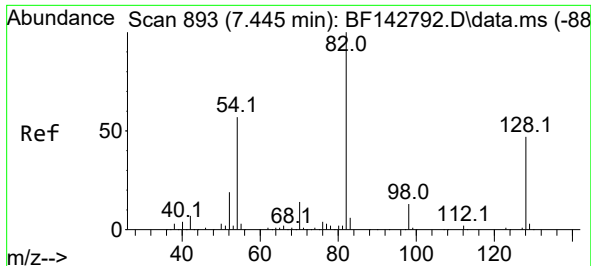
Tgt Ion: 99 Resp: 235966
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.1 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

Tgt Ion: 136 Resp: 149865
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.6 6.3 9.5
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 51.278 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

Instrument :

BNA_F

ClientSampleId :

HR-3-070325

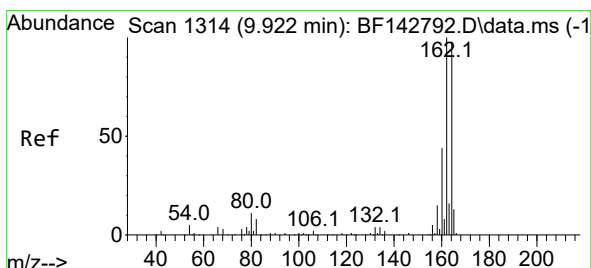
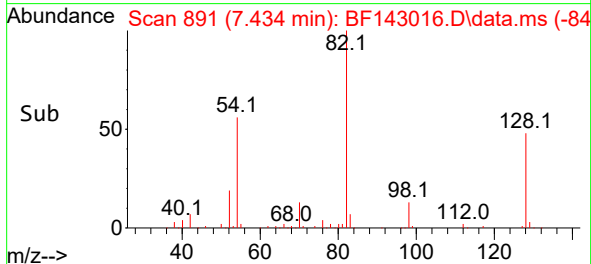
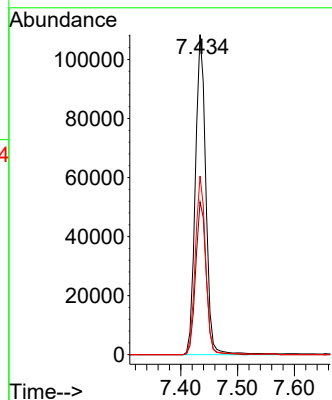
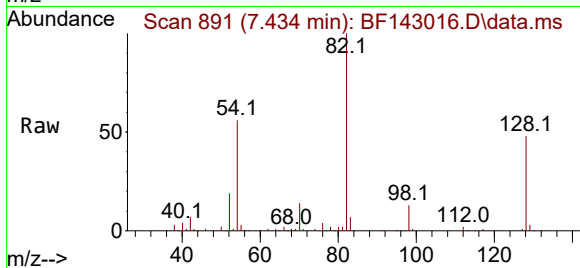
Tgt Ion: 82 Resp: 140102

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 55.8 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: BF143016.D

Acq: 07 Jul 2025 18:51

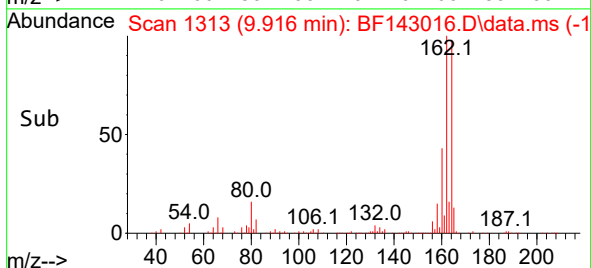
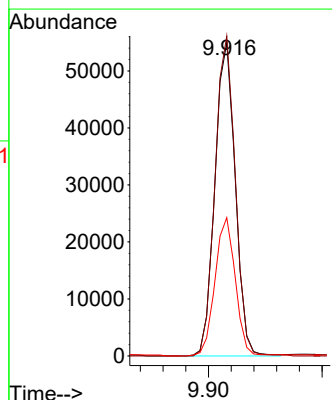
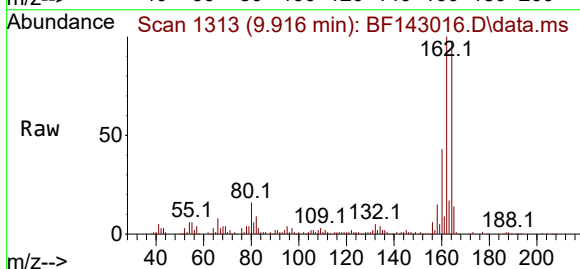
Tgt Ion: 164 Resp: 68487

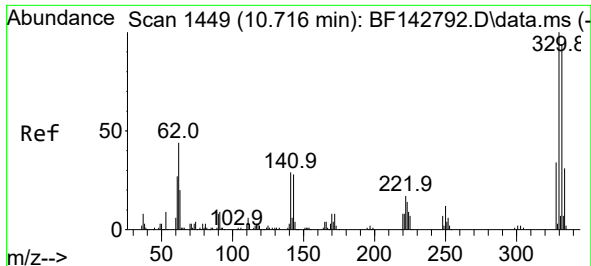
Ion Ratio Lower Upper

164 100

162 102.2 81.8 122.8

160 44.1 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 82.857 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

Instrument :

BNA_F

ClientSampleId :

HR-3-070325

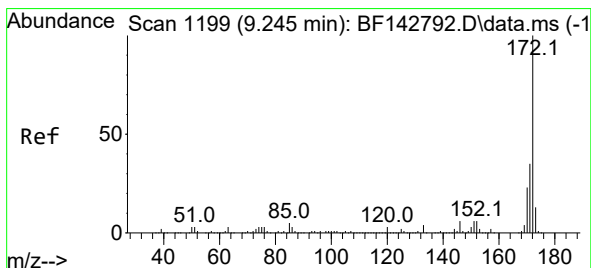
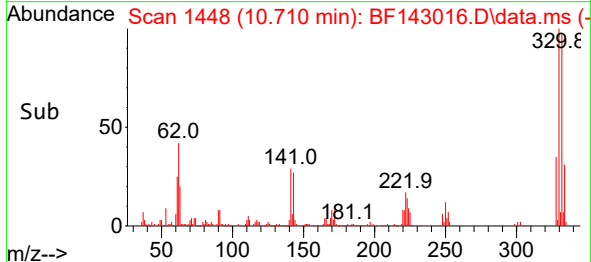
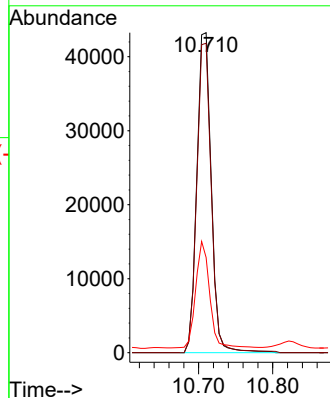
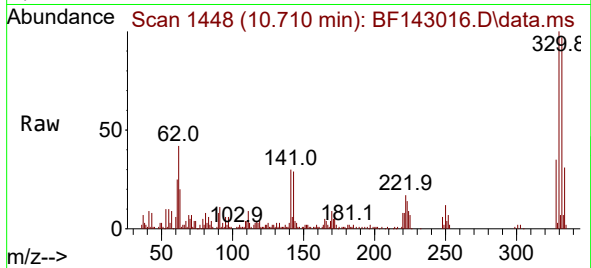
Tgt Ion:330 Resp: 58396

Ion Ratio Lower Upper

330 100

332 97.2 75.0 112.6

141 32.0 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 53.641 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

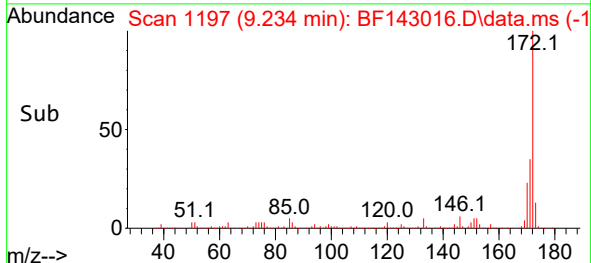
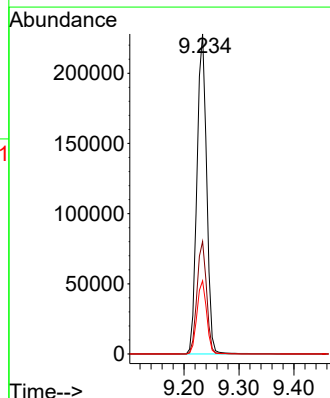
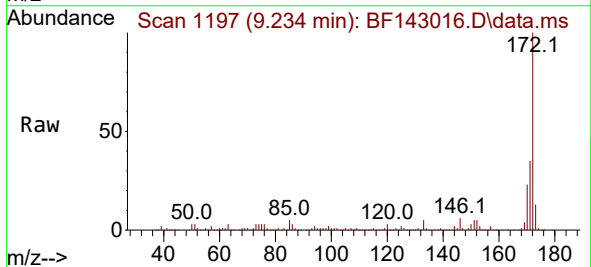
Tgt Ion:172 Resp: 279650

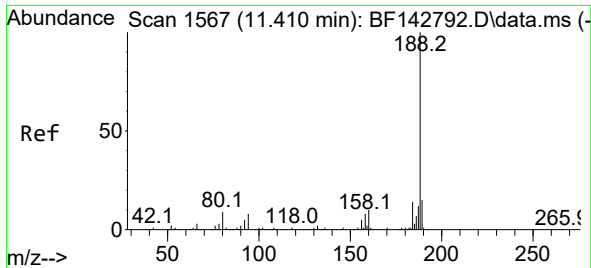
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.8 18.5 27.7

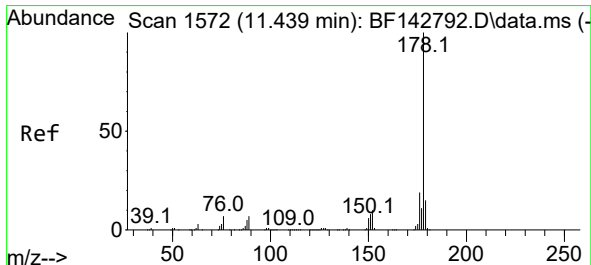
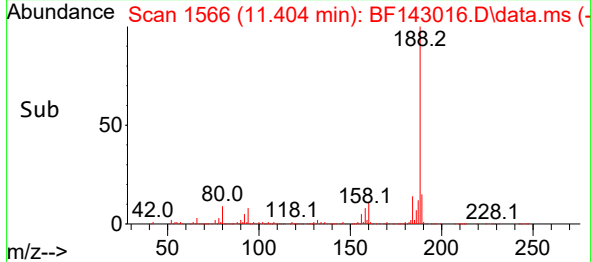
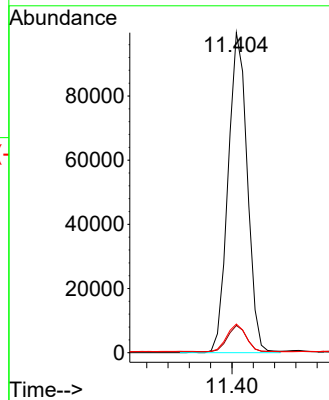
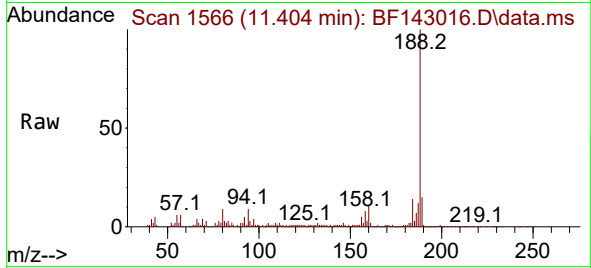




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

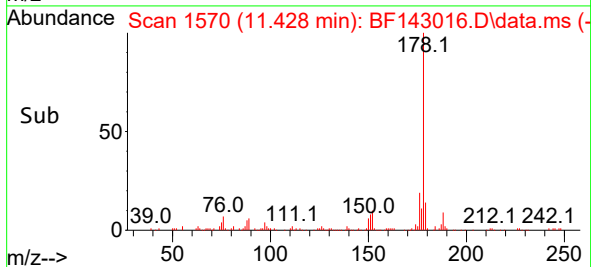
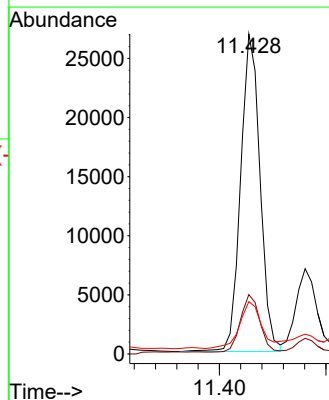
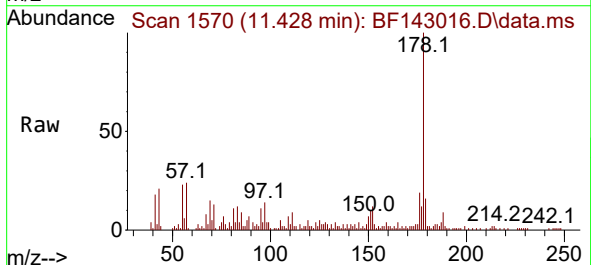
Instrument :
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HR-3-070325

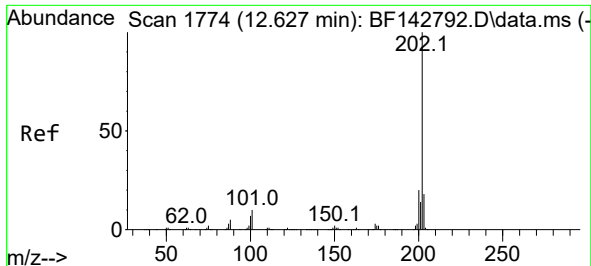
Tgt Ion:188 Resp: 124751
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 8.9 6.9 10.3



#71
Phenanthrene
Concen: 5.046 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

Tgt Ion:178 Resp: 34097
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 16.3 12.0 18.0

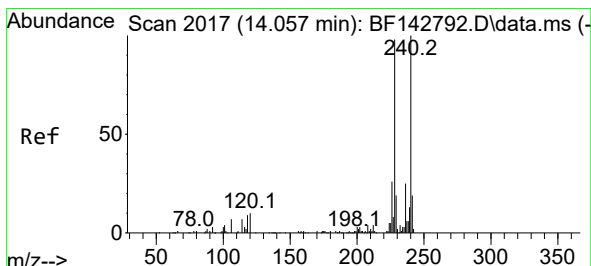
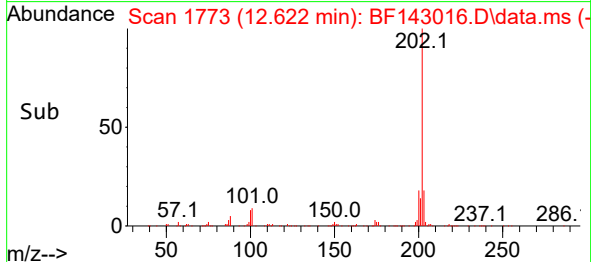
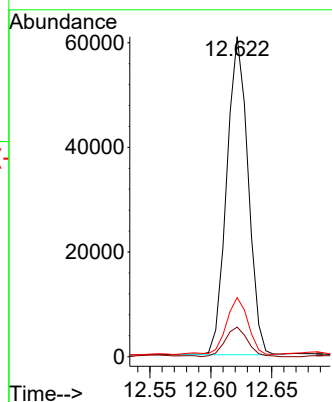
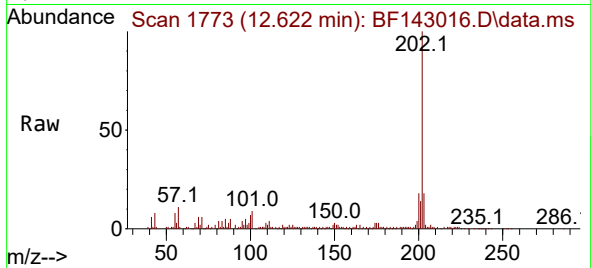




#75
Fluoranthene
Concen: 11.573 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

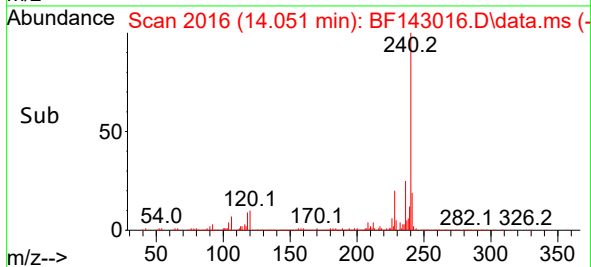
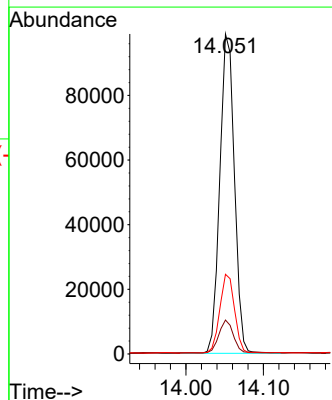
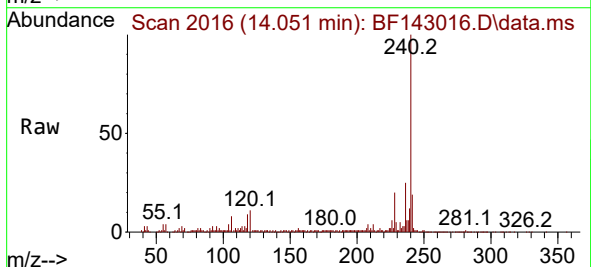
Instrument :
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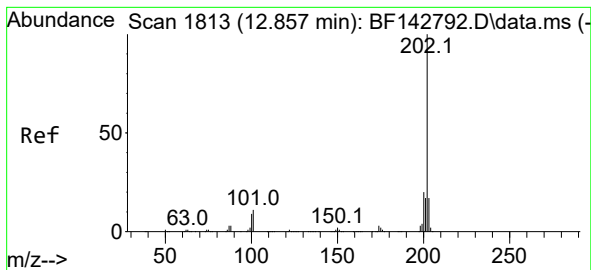
Tgt Ion:202 Resp: 74221
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 18.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

Tgt Ion:240 Resp: 129401
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 24.9 19.8 29.8





#78

Pyrene

Concen: 6.119 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

Instrument :

BNA_F

ClientSampleId :

HR-3-070325

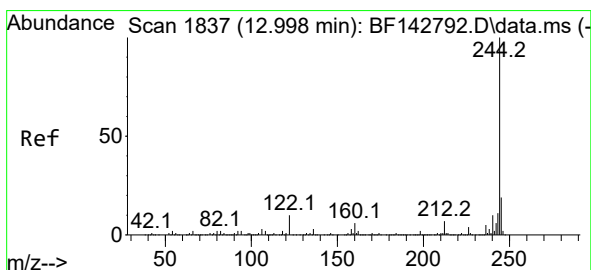
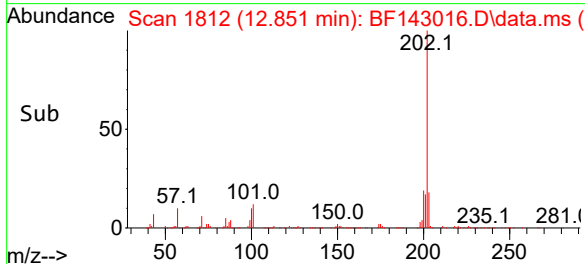
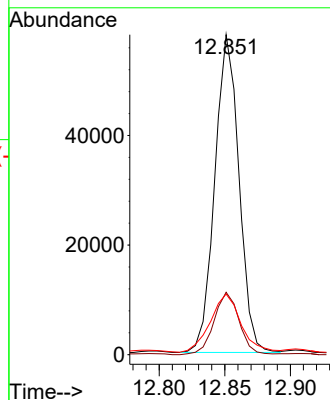
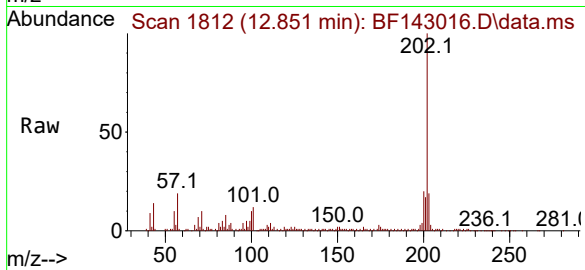
Tgt Ion:202 Resp: 74223

Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 18.9 13.8 20.6



#79

Terphenyl-d14

Concen: 38.070 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

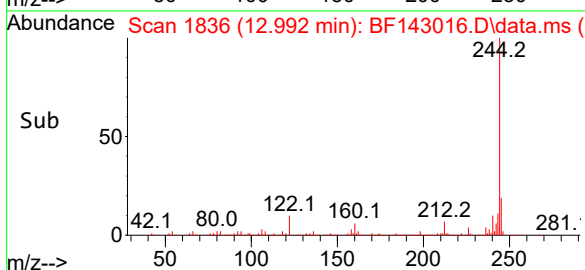
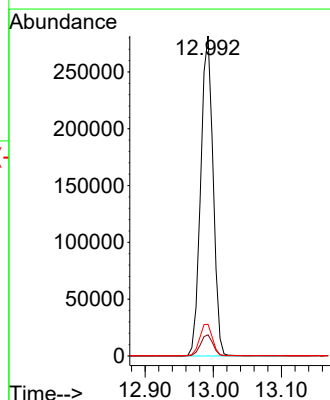
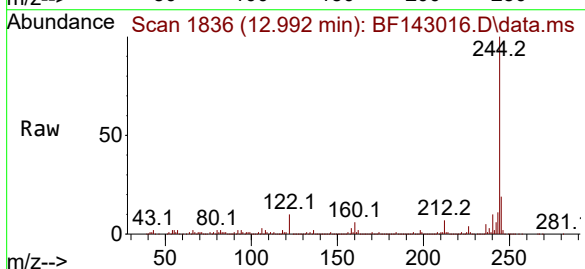
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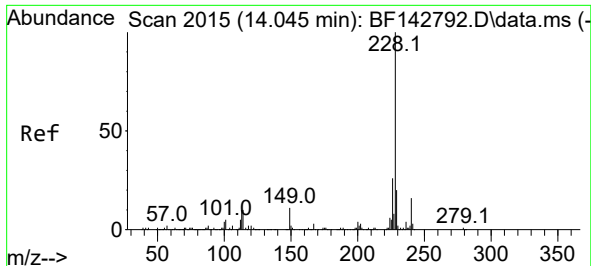
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 9.9 8.2 12.2

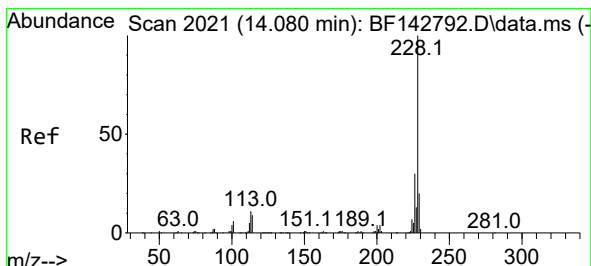
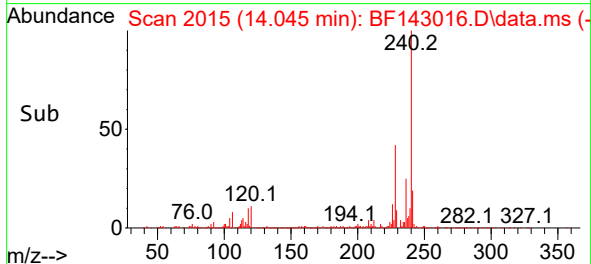
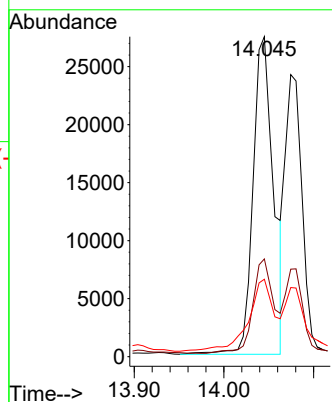
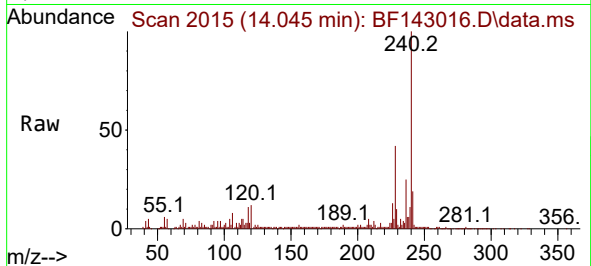




#81
Benzo(a)anthracene
Concen: 4.961 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

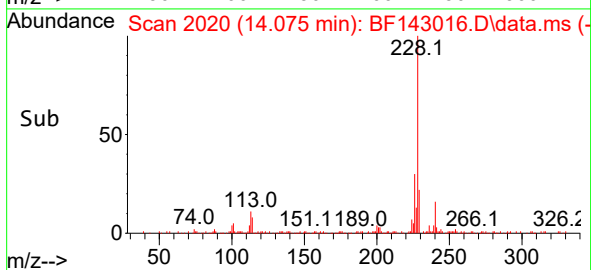
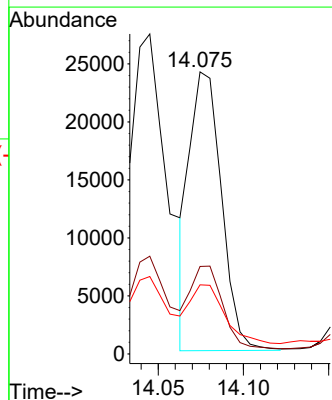
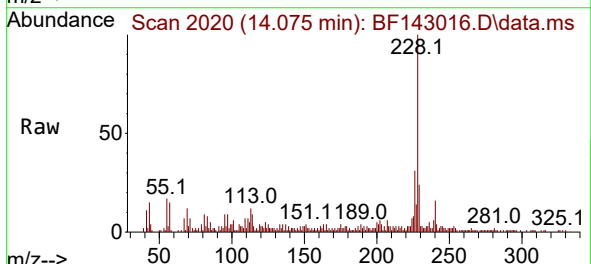
Instrument :
BNA_F
ClientSampleId :
HR-3-070325

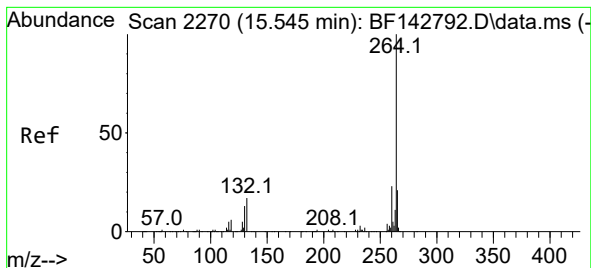
Tgt Ion:228 Resp: 43307
Ion Ratio Lower Upper
228 100
226 30.5 21.2 31.8
229 24.2 15.6 23.4#



#83
Chrysene
Concen: 4.016 ng
RT: 14.075 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

Tgt Ion:228 Resp: 31285
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 24.5 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

Instrument :

BNA_F

ClientSampleId :

HR-3-070325

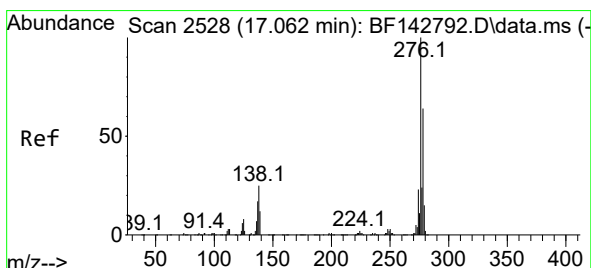
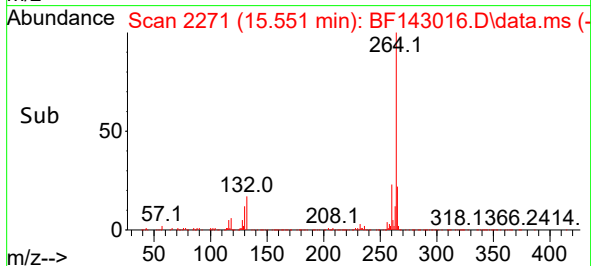
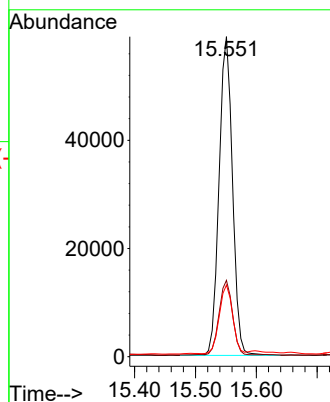
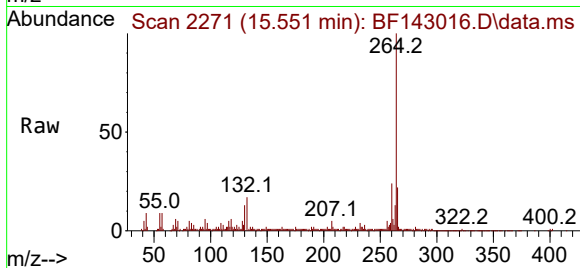
Tgt Ion:264 Resp: 89939

Ion Ratio Lower Upper

264 100

260 23.8 18.1 27.1

265 22.4 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.189 ng

RT: 17.068 min Scan# 2529

Delta R.T. 0.006 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

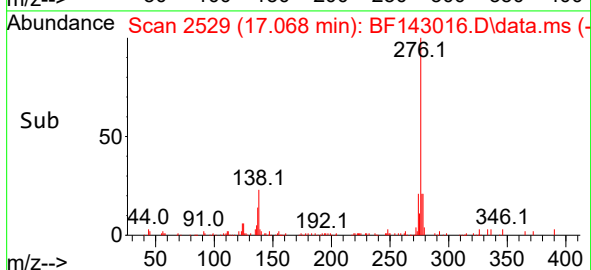
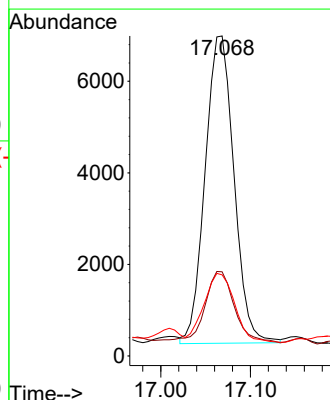
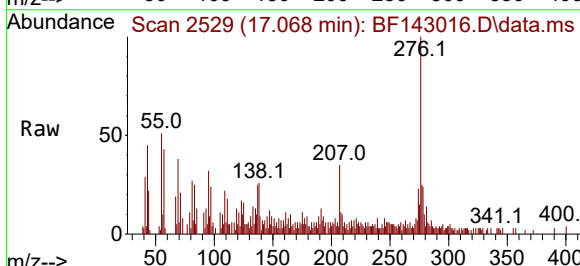
Tgt Ion:276 Resp: 14995

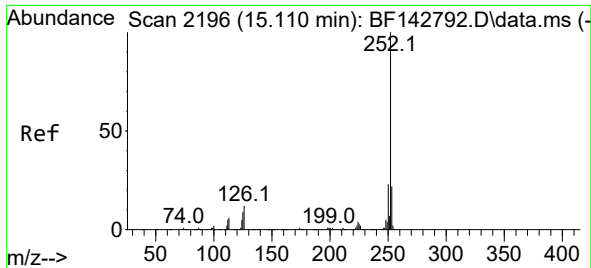
Ion Ratio Lower Upper

276 100

138 24.0 20.2 30.4

277 23.6 19.8 29.6

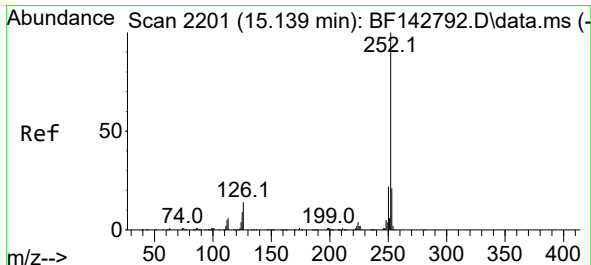
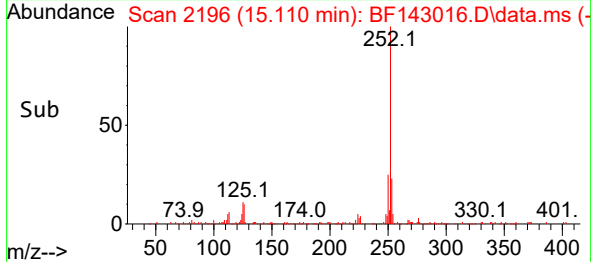
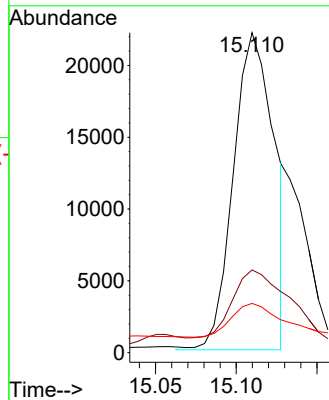
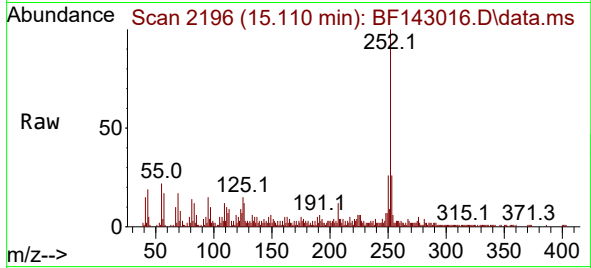




#88
Benzo(b)fluoranthene
Concen: 7.444 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

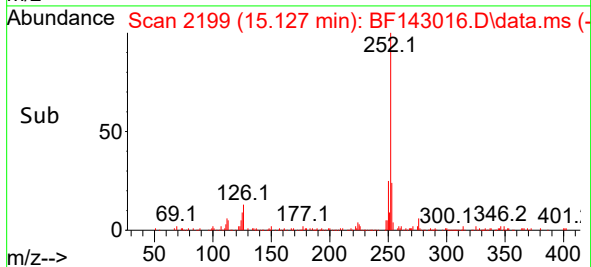
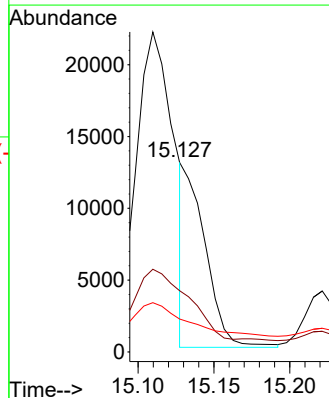
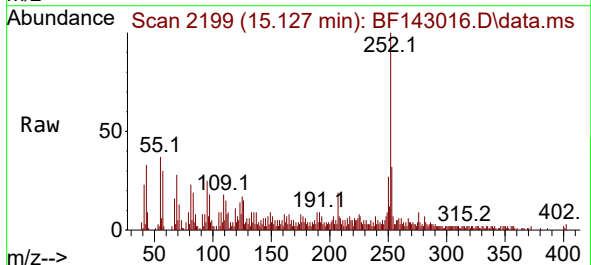
Instrument :
BNA_F
ClientSampleId :
HR-3-070325

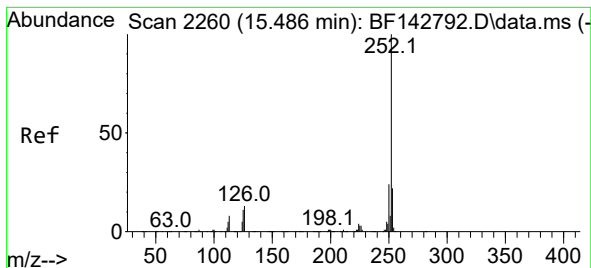
Tgt Ion:252 Resp: 38741
Ion Ratio Lower Upper
252 100
253 25.9 17.5 26.3
125 15.4 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 2.523 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF143016.D
Acq: 07 Jul 2025 18:51

Tgt Ion:252 Resp: 12284
Ion Ratio Lower Upper
252 100
253 32.3 17.2 25.8#
125 17.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 5.400 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

Instrument :

BNA_F

ClientSampleId :

HR-3-070325

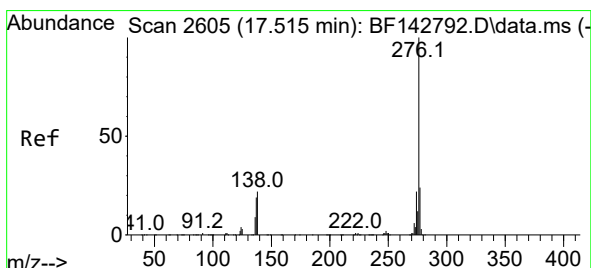
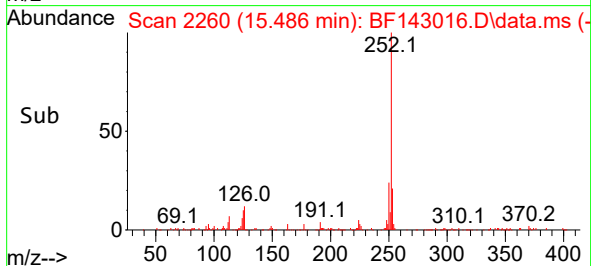
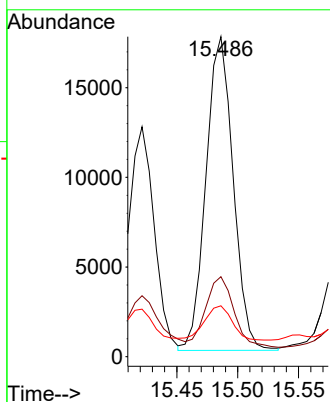
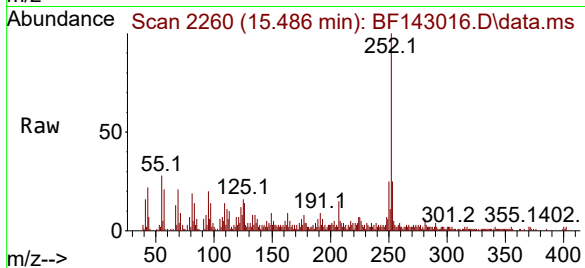
Tgt Ion:252 Resp: 27150

Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 15.9 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 2.593 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF143016.D

Acq: 07 Jul 2025 18:51

Tgt Ion:276 Resp: 14394

Ion Ratio Lower Upper

276 100

277 28.8 18.8 28.2#

138 23.2 17.6 26.4

