

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142828.D
 Acq On : 24 Jun 2025 19:36
 Operator : RC/JU
 Sample : Q2398-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M00-25-0179

Quant Time: Jun 25 01:30:06 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)

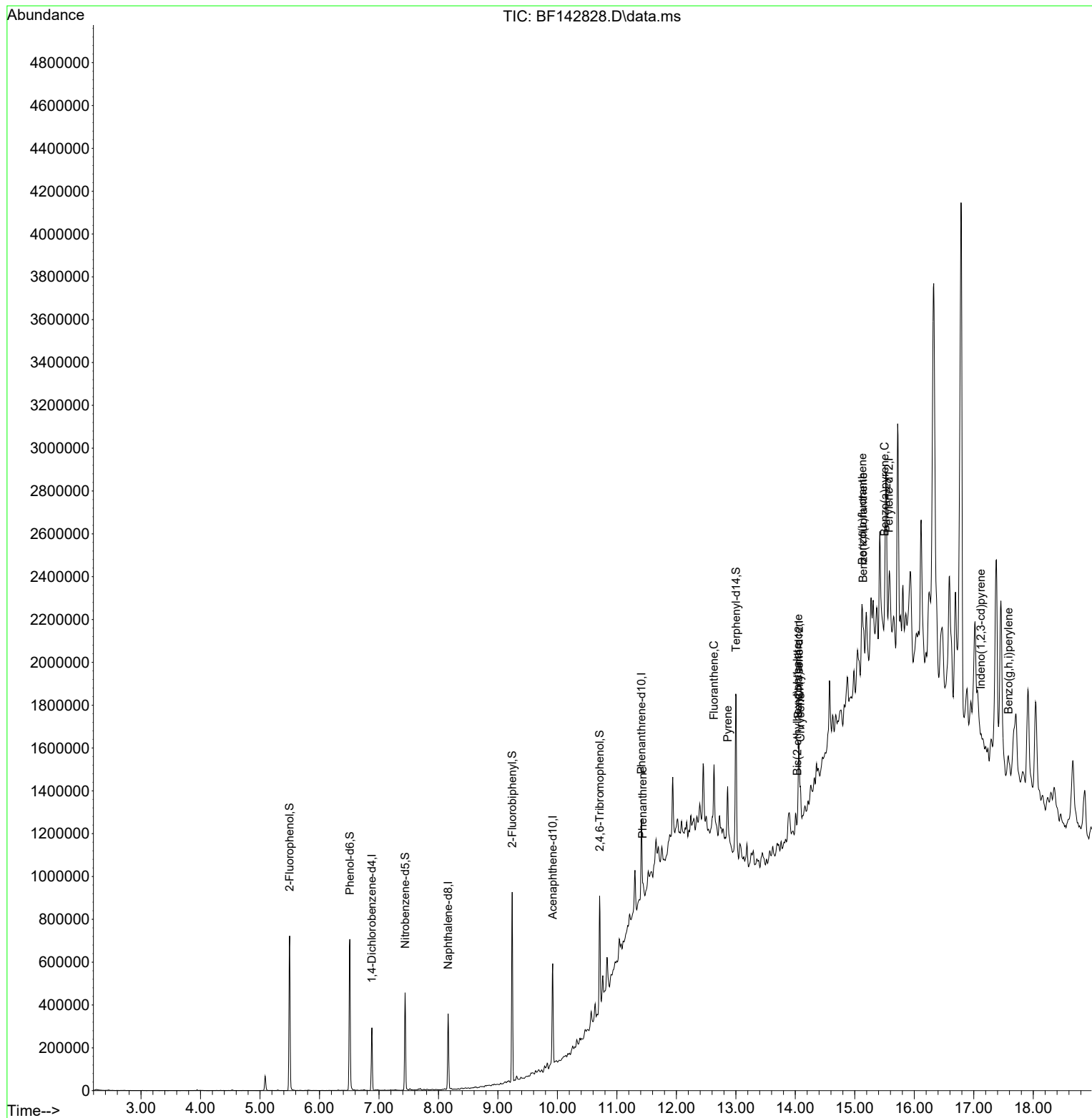
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	62690	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	219595	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	110452	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	193891	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	121868	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	90598	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	281157	74.670	ng	0.00
7) Phenol-d6	6.510	99	323334	72.784	ng	0.00
23) Nitrobenzene-d5	7.440	82	180752	45.149	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	92805	81.650	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	382775	45.526	ng	0.00
79) Terphenyl-d14	13.004	244	387360	43.918	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	31027	2.954	ng	# 78
75) Fluoranthene	12.633	202	173148	17.370	ng	97
78) Pyrene	12.863	202	172487	15.100	ng	96
81) Benzo(a)anthracene	14.051	228	107788	13.111	ng	94
83) Chrysene	14.086	228	97204m	13.250	ng	
84) Bis(2-ethylhexyl)phtha...	14.033	149	13489	2.829	ng	# 78
87) Indeno(1,2,3-cd)pyrene	17.121	276	32630	4.728	ng	97
88) Benzo(b)fluoranthene	15.127	252	91810m	17.513	ng	
89) Benzo(k)fluoranthene	15.139	252	38653m	7.881	ng	
90) Benzo(a)pyrene	15.504	252	58260	11.504	ng	# 45
92) Benzo(g,h,i)perylene	17.586	276	30811	5.511	ng	# 56

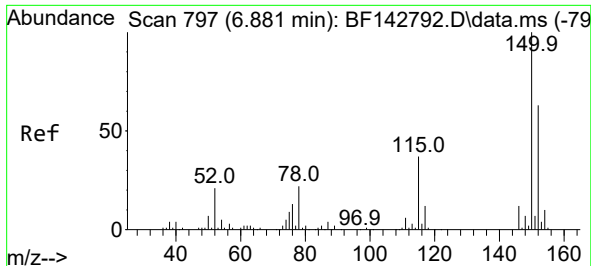
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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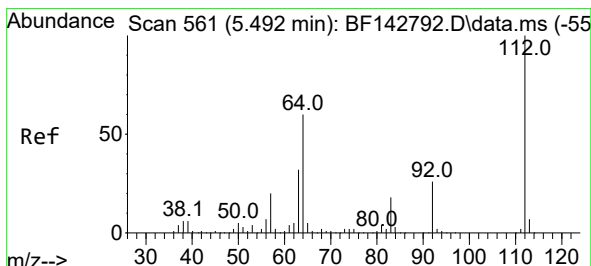
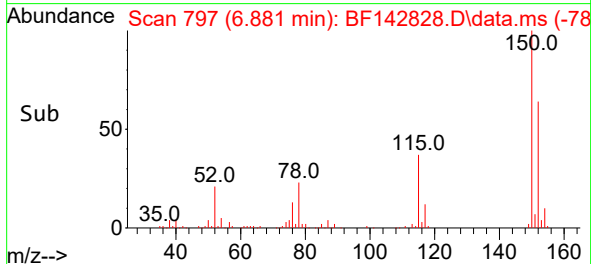
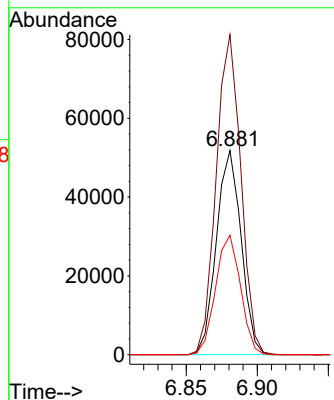
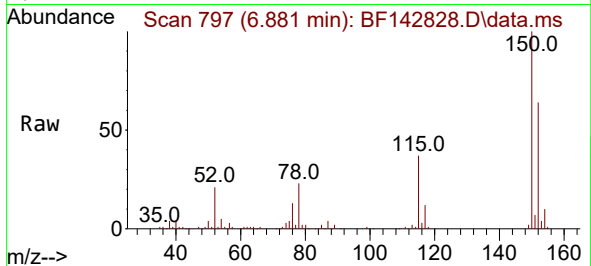




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142828.D
 Acq: 24 Jun 2025 19:36

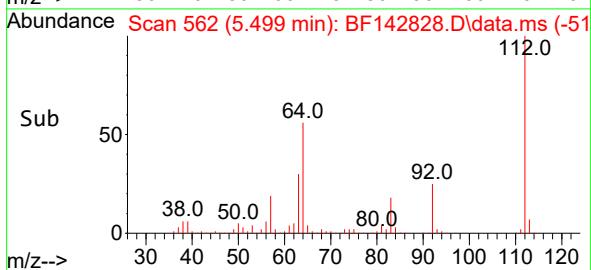
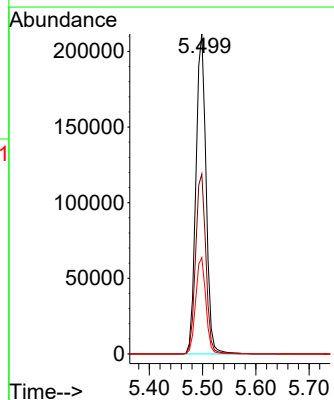
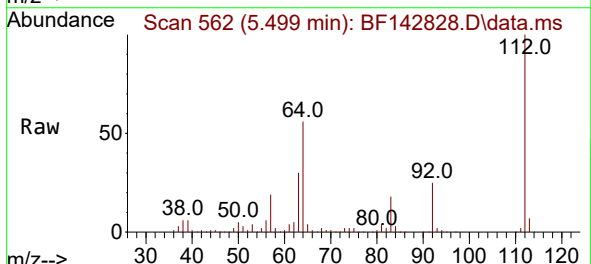
Instrument :
 BNA_F
 ClientSampleId :
 M00-25-0179

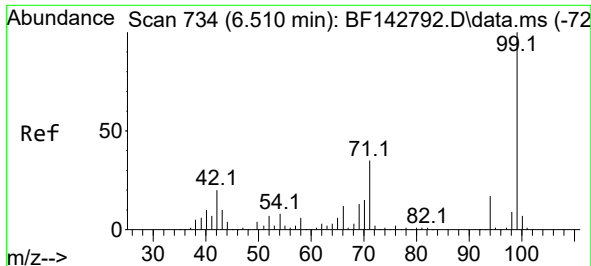
Tgt Ion:152 Resp: 62690
 Ion Ratio Lower Upper
 152 100
 150 156.8 127.2 190.8
 115 58.5 46.6 69.8



#5
 2-Fluorophenol
 Concen: 74.670 ng
 RT: 5.499 min Scan# 562
 Delta R.T. 0.007 min
 Lab File: BF142828.D
 Acq: 24 Jun 2025 19:36

Tgt Ion:112 Resp: 281157
 Ion Ratio Lower Upper
 112 100
 64 56.3 48.2 72.2
 63 30.1 25.7 38.5

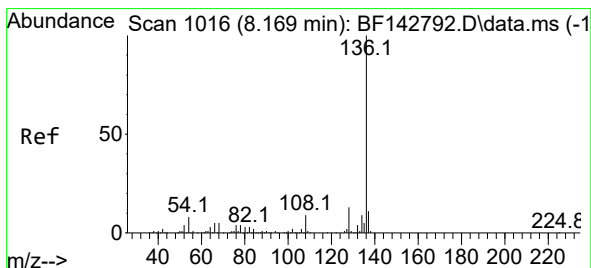
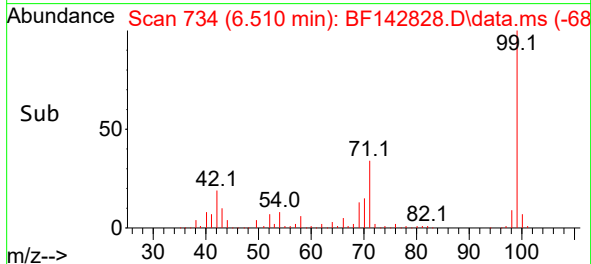
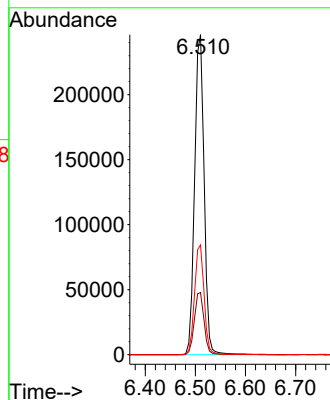
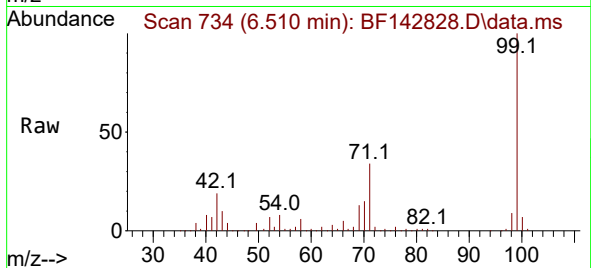




#7
Phenol-d6
Concen: 72.784 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

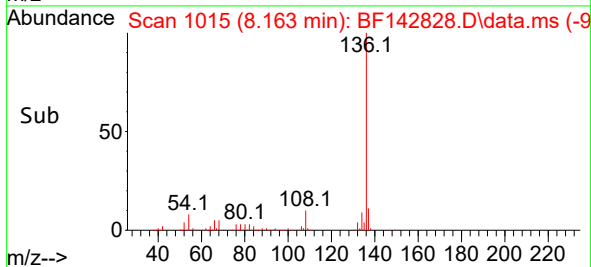
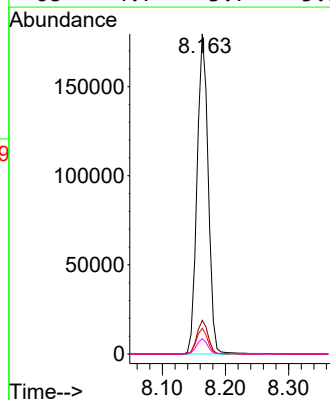
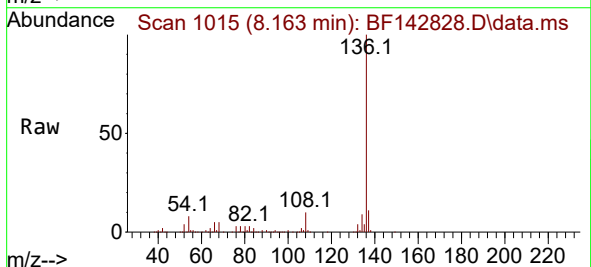
Instrument :
BNA_F
ClientSampleId :
M00-25-0179

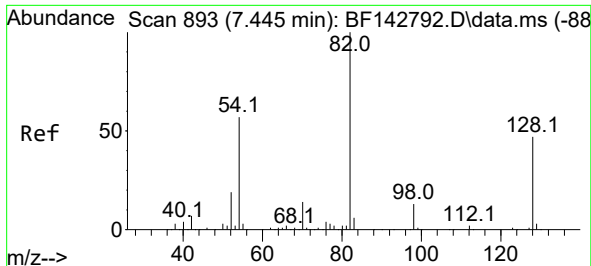
Tgt Ion: 99 Resp: 323334
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

Tgt Ion: 136 Resp: 219595
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 8.0 6.3 9.5
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 45.149 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

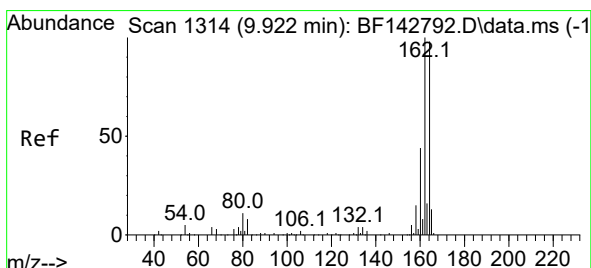
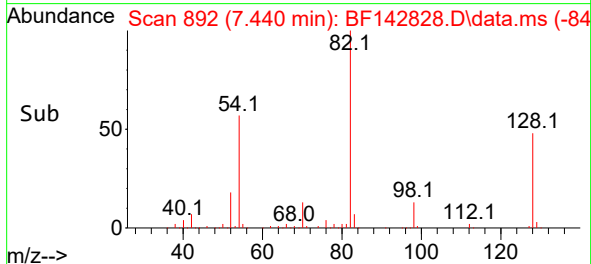
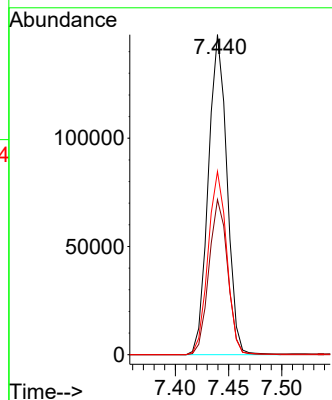
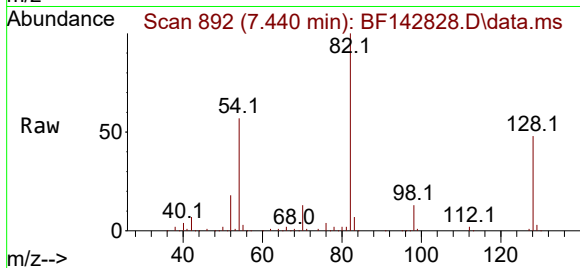
Tgt Ion: 82 Resp: 180752

Ion Ratio Lower Upper

82 100

128 48.5 37.7 56.5

54 57.3 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

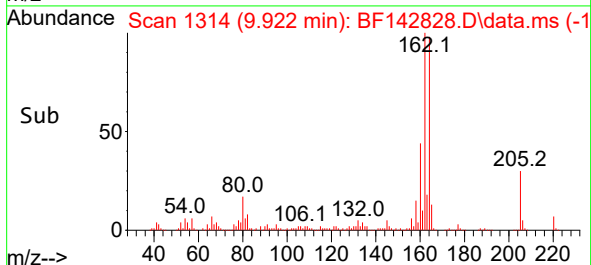
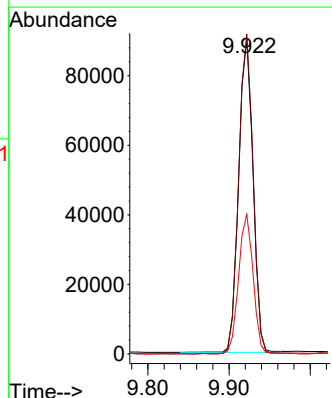
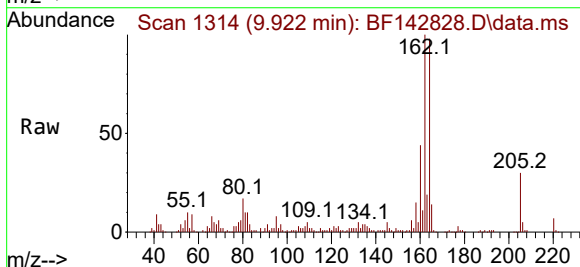
Tgt Ion:164 Resp: 110452

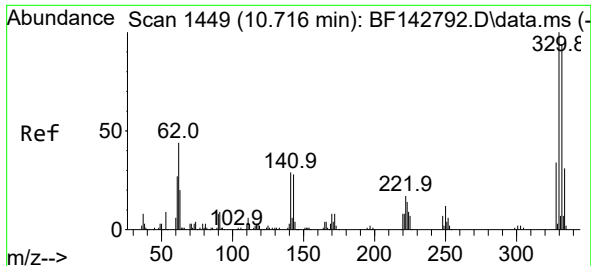
Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.8

160 44.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 81.650 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142828.D

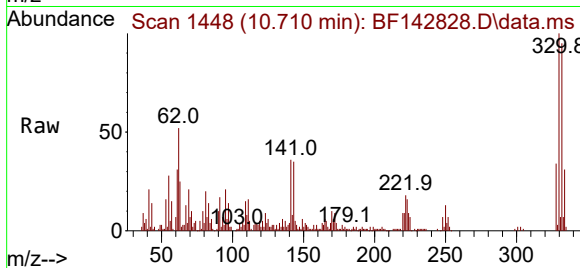
Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179



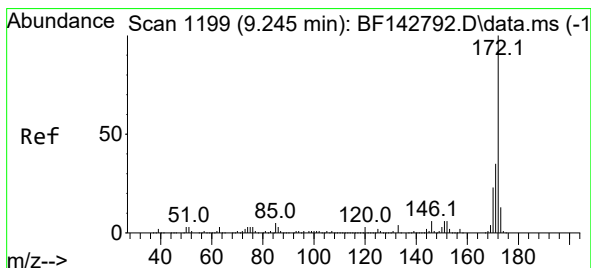
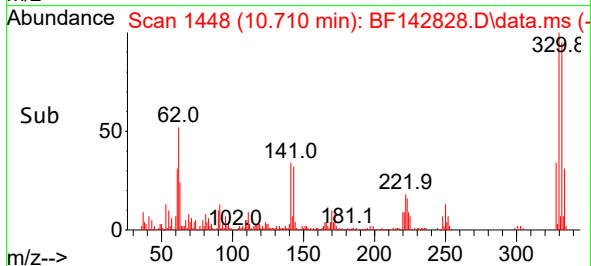
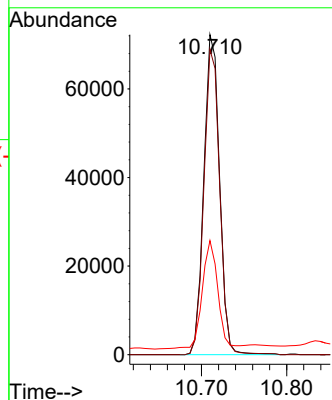
Tgt Ion:330 Resp: 92805

Ion Ratio Lower Upper

330 100

332 95.5 75.0 112.6

141 33.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 45.526 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

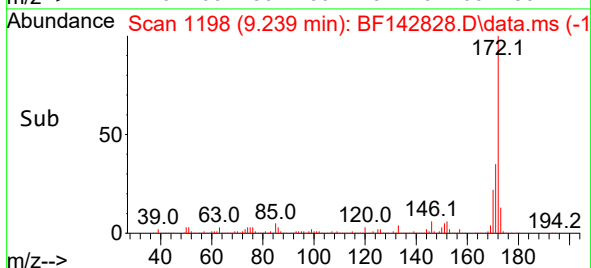
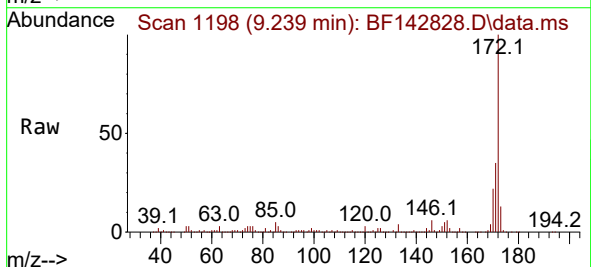
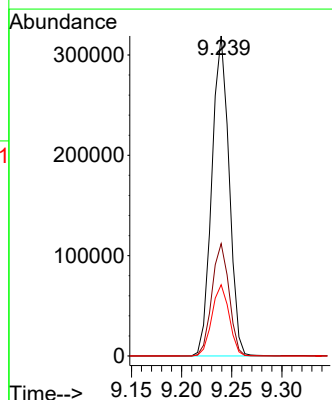
Tgt Ion:172 Resp: 382775

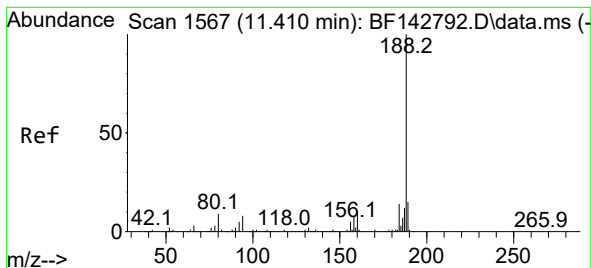
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.3 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

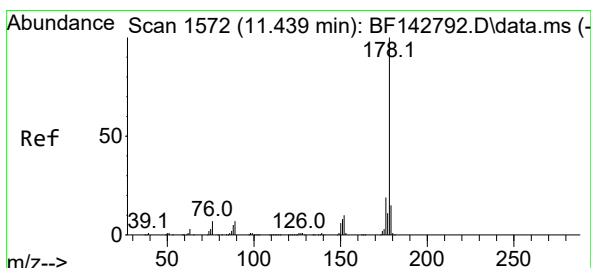
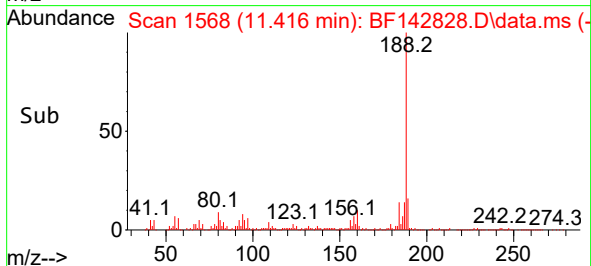
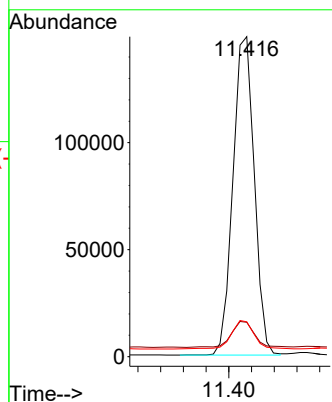
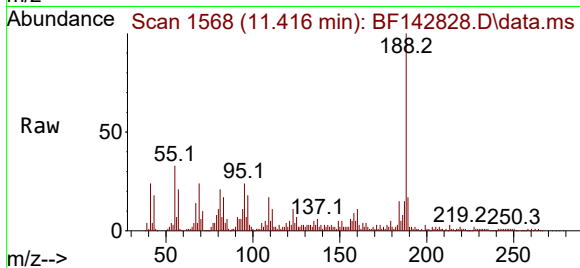
Tgt Ion:188 Resp: 193891

Ion Ratio Lower Upper

188 100

94 10.7 6.7 10.1#

80 10.9 6.9 10.3#



#71

Phenanthrene

Concen: 2.954 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

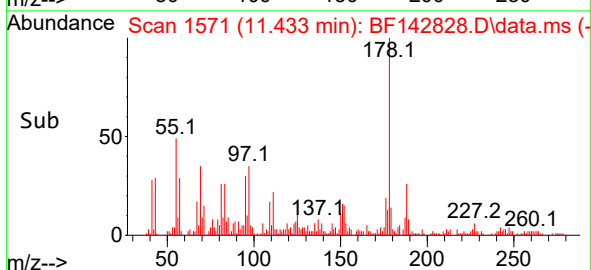
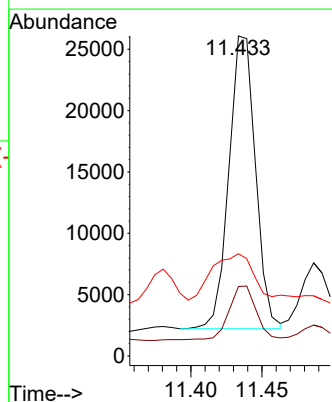
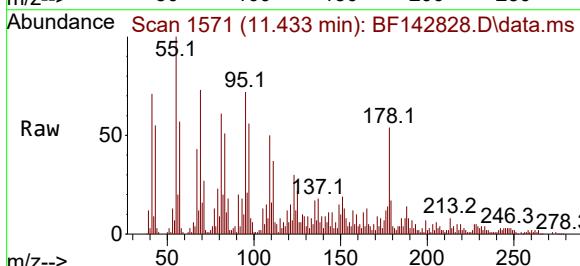
Tgt Ion:178 Resp: 31027

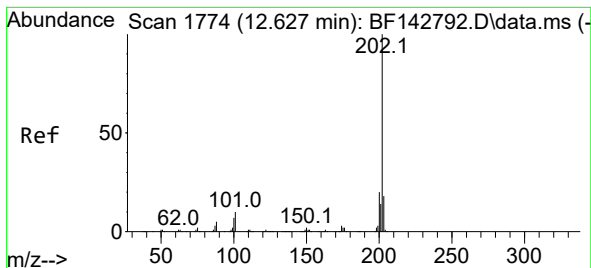
Ion Ratio Lower Upper

178 100

176 21.7 15.1 22.7

179 32.0 12.0 18.0#





#75

Fluoranthene

Concen: 17.370 ng

RT: 12.633 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

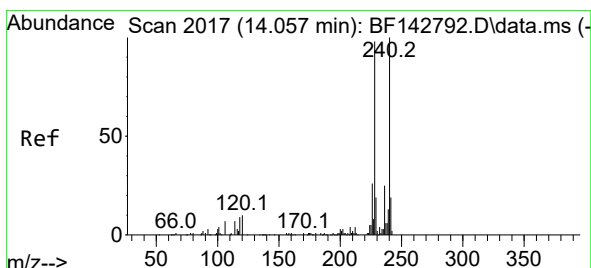
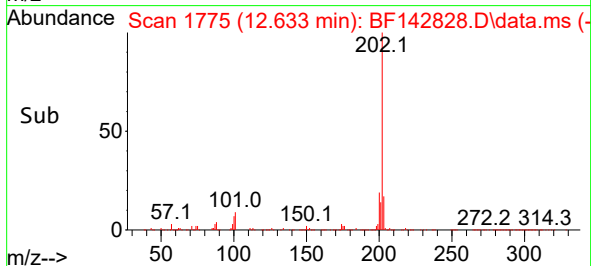
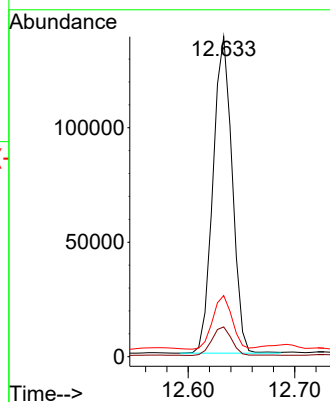
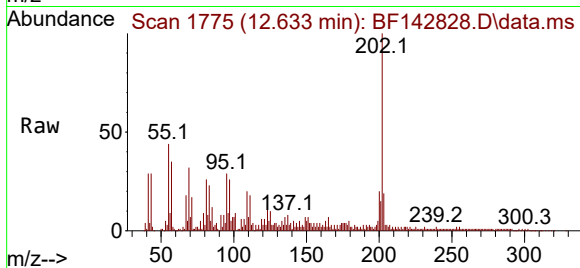
Tgt Ion:202 Resp: 173148

Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.7

203 19.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

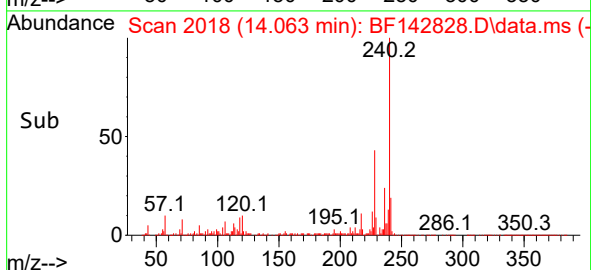
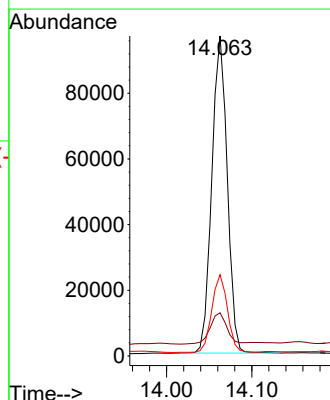
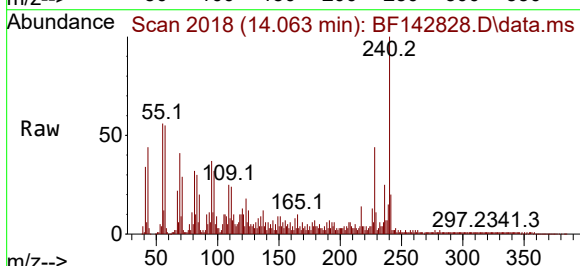
Tgt Ion:240 Resp: 121868

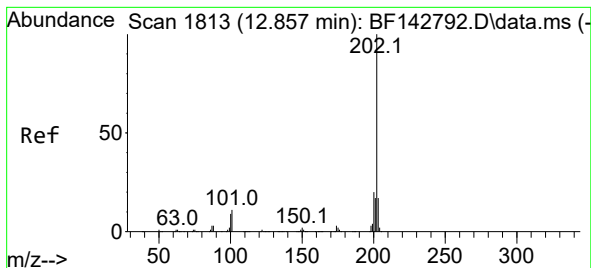
Ion Ratio Lower Upper

240 100

120 13.5 8.2 12.2#

236 25.4 19.8 29.8





#78

Pyrene

Concen: 15.100 ng

RT: 12.863 min Scan# 1813

Delta R.T. 0.006 min

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M00-25-0179

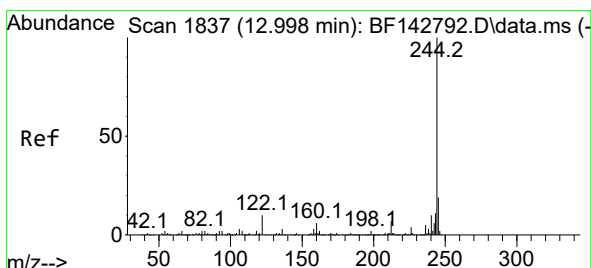
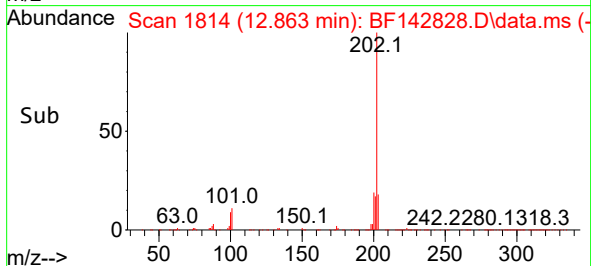
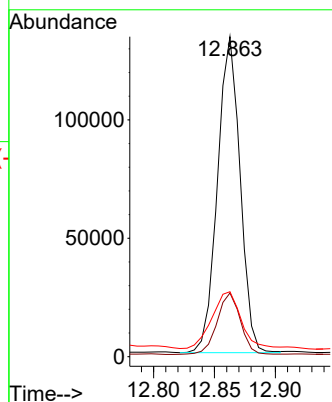
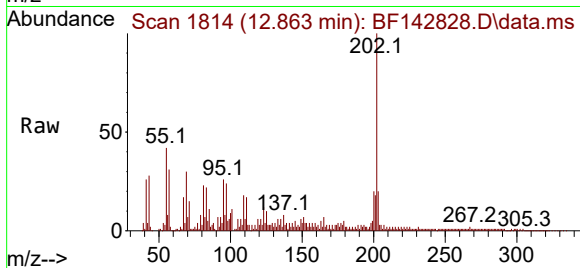
Tgt Ion:202 Resp: 172487

Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 20.3 13.8 20.6



#79

Terphenyl-d14

Concen: 43.918 ng

RT: 13.004 min Scan# 1838

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

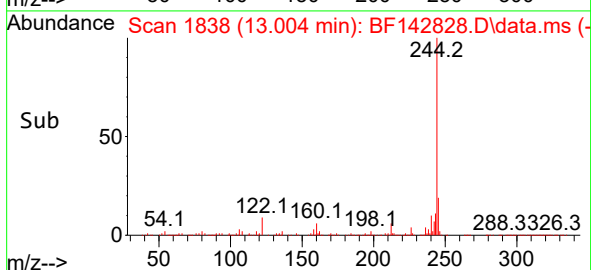
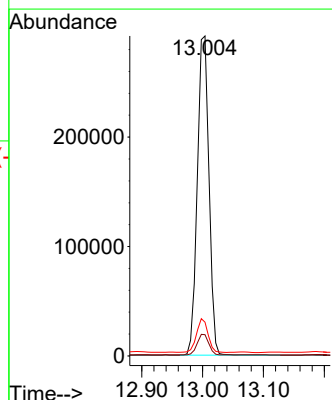
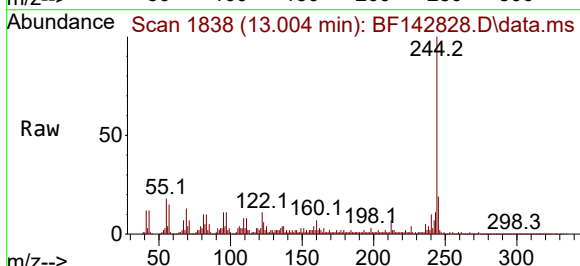
Tgt Ion:244 Resp: 387360

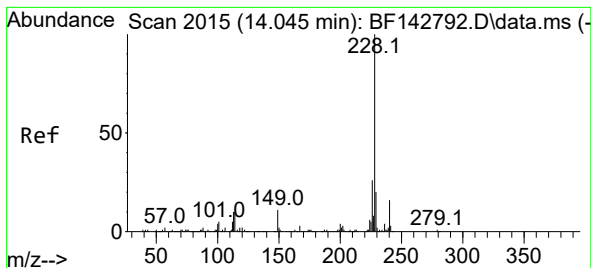
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.6 8.2 12.2





#81

Benzo(a)anthracene

Concen: 13.111 ng

RT: 14.051 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

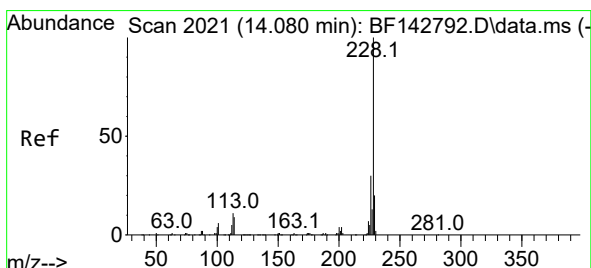
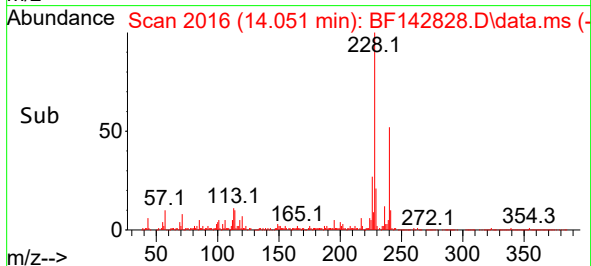
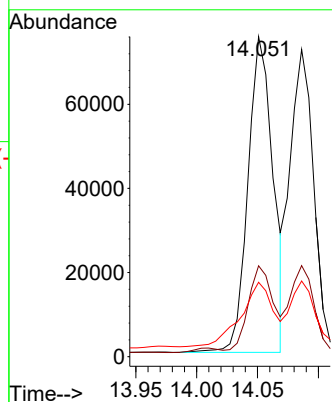
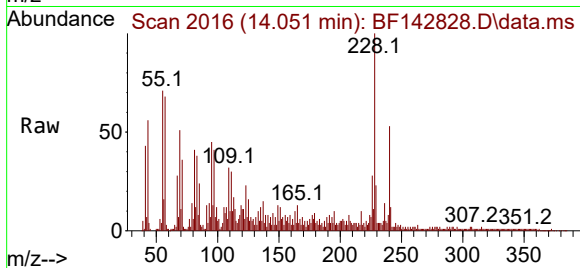
Tgt Ion:228 Resp: 107788

Ion Ratio Lower Upper

228 100

226 28.4 21.2 31.8

229 23.3 15.6 23.4



#83

Chrysene

Concen: 13.250 ng m

RT: 14.086 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

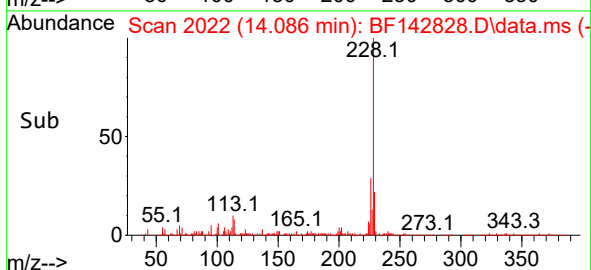
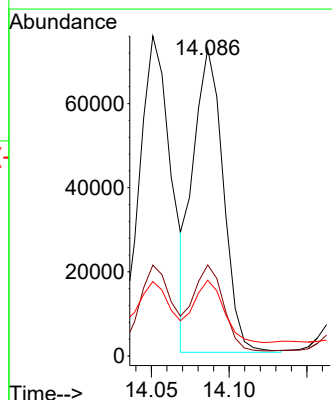
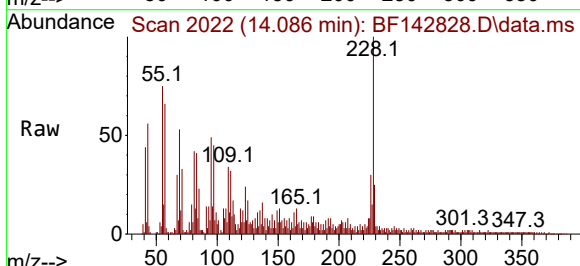
Tgt Ion:228 Resp: 97204

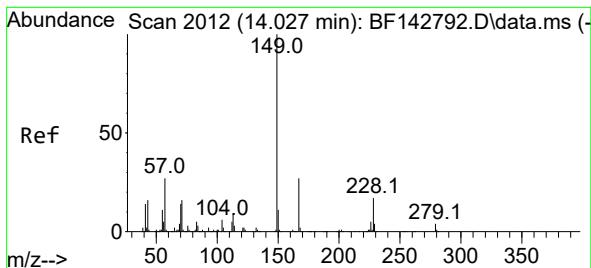
Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

229 24.6 15.7 23.5#

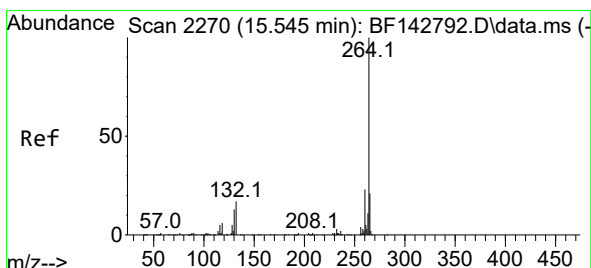
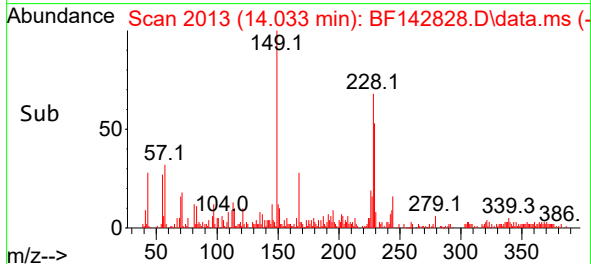
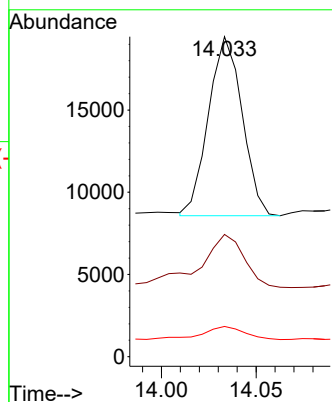
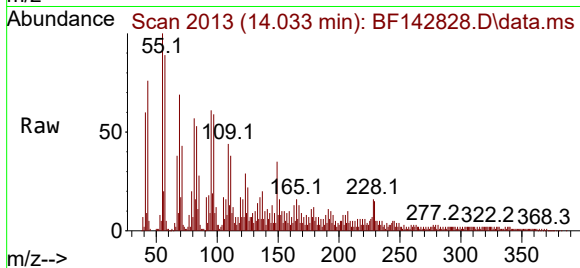




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.829 ng
RT: 14.033 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

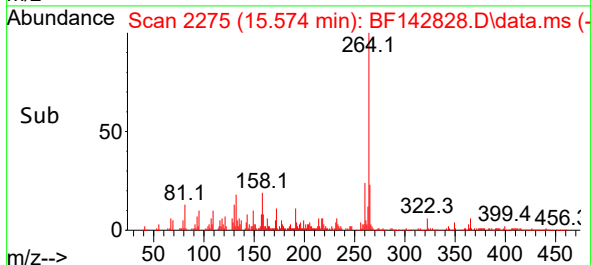
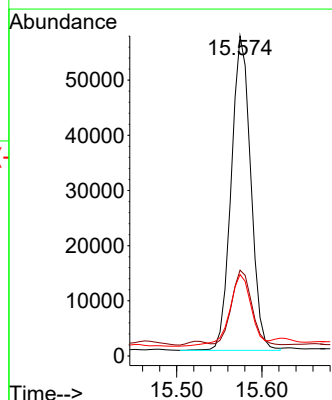
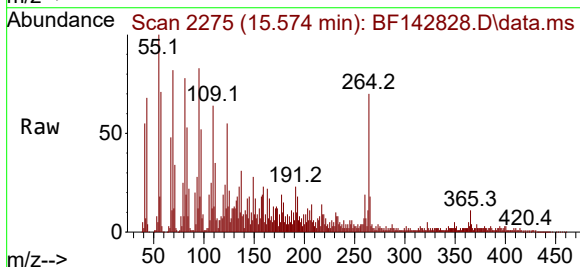
Instrument :
BNA_F
ClientSampleId :
M00-25-0179

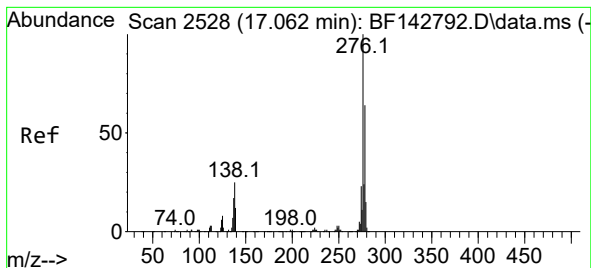
Tgt Ion:149 Resp: 13489
Ion Ratio Lower Upper
149 100
167 38.2 21.4 32.0#
279 9.4 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.030 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

Tgt Ion:264 Resp: 90598
Ion Ratio Lower Upper
264 100
260 26.8 18.1 27.1
265 25.4 16.6 25.0#





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.728 ng

RT: 17.121 min Scan# 2199

Delta R.T. 0.059 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

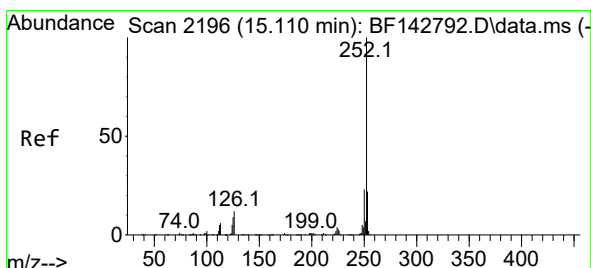
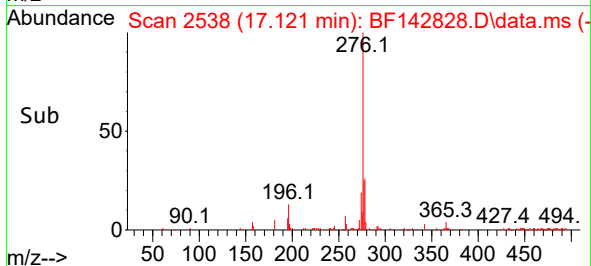
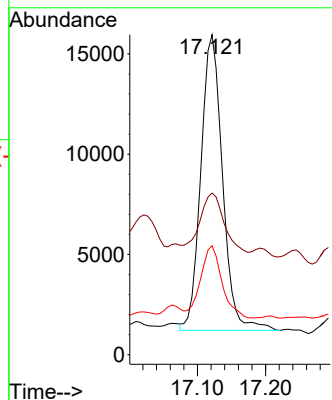
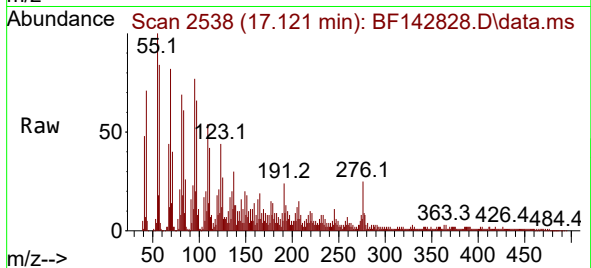
Tgt Ion:276 Resp: 32630

Ion Ratio Lower Upper

276 100

138 28.1 20.2 30.4

277 25.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 17.513 ng m

RT: 15.127 min Scan# 2199

Delta R.T. 0.018 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

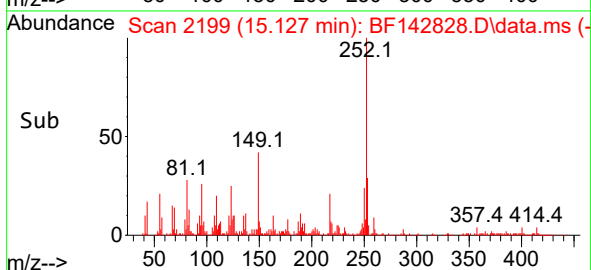
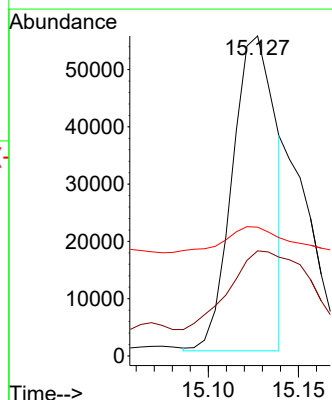
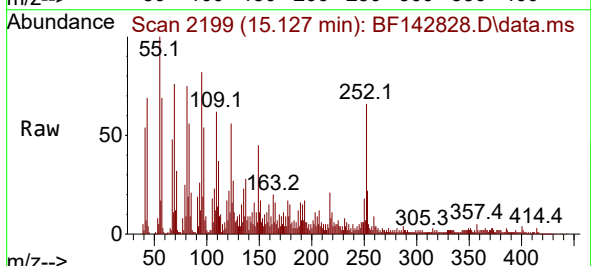
Tgt Ion:252 Resp: 91810

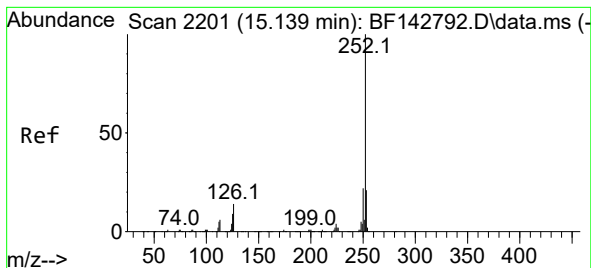
Ion Ratio Lower Upper

252 100

253 32.9 17.5 26.3#

125 40.3 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 7.881 ng m

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

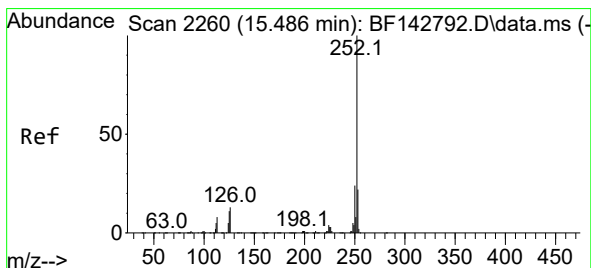
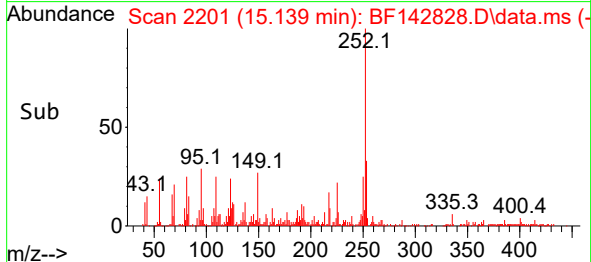
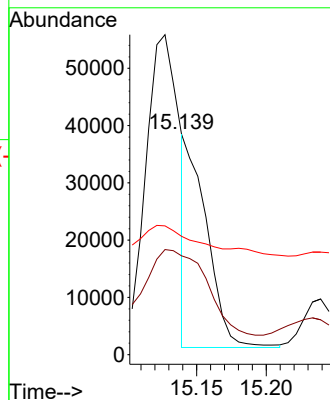
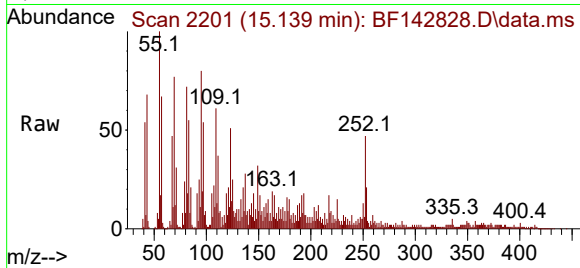
Tgt Ion:252 Resp: 38653

Ion Ratio Lower Upper

252 100

253 44.8 17.2 25.8#

125 53.6 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 11.504 ng

RT: 15.504 min Scan# 2263

Delta R.T. 0.018 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

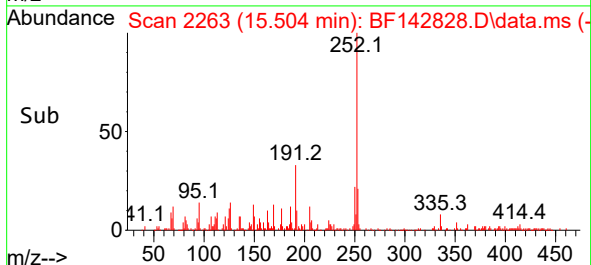
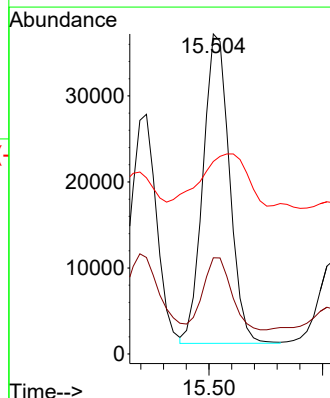
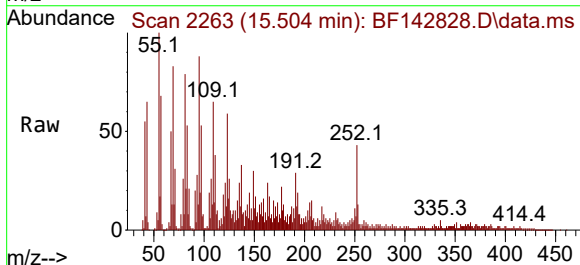
Tgt Ion:252 Resp: 58260

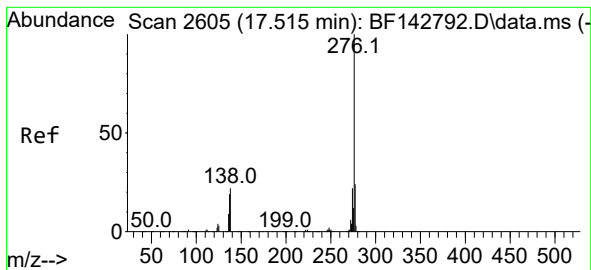
Ion Ratio Lower Upper

252 100

253 30.1 17.5 26.3#

125 60.2 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 5.511 ng

RT: 17.586 min Scan# 20

Delta R.T. 0.071 min

Lab File: BF142828.D

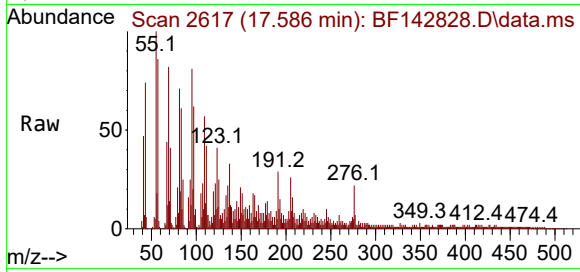
Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179



Tgt Ion:276 Resp: 30811

Ion Ratio Lower Upper

276 100

277 33.4 18.8 28.2#

138 55.1 17.6 26.4#

