

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)

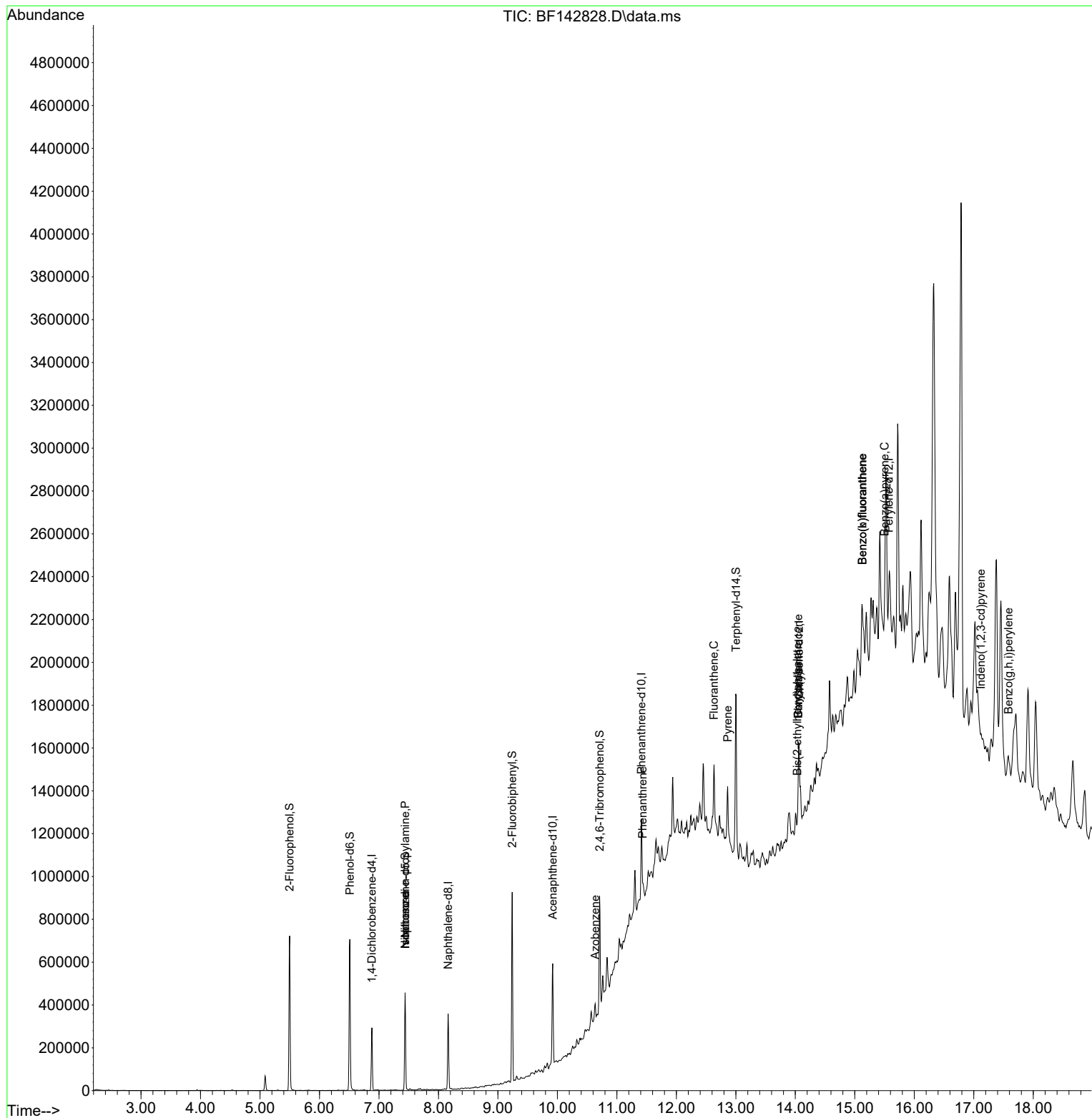
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	62690	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	219595	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	110452	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	193891	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	121868	20.000	ng	# 0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.440	70	24413	9.449	ng	# 76
25) Isophorone	7.440	82	180750	28.144	ng	# 62
63) Azobenzene	10.633	77	17460	2.787	ng	# 1
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	14.051	228	107788	14.693	ng	95
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	128342	24.482	ng	# 58
89) Benzo(k)fluoranthene	15.127	252	128342	26.167	ng	# 58
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

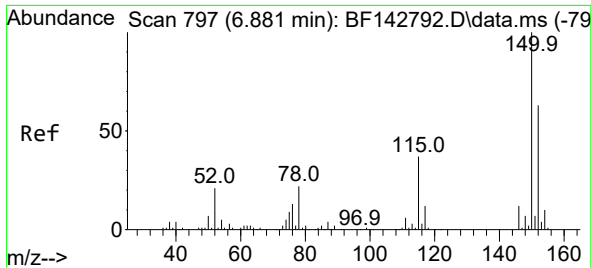
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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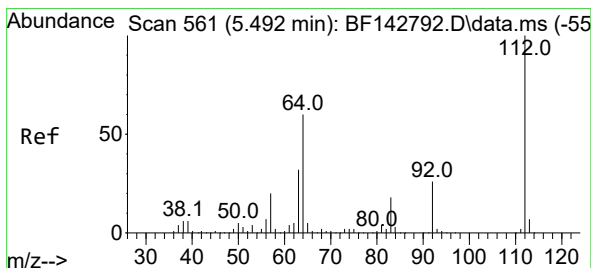
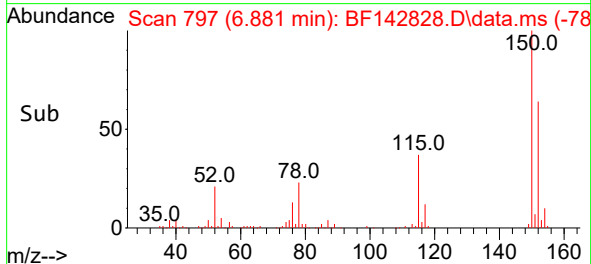
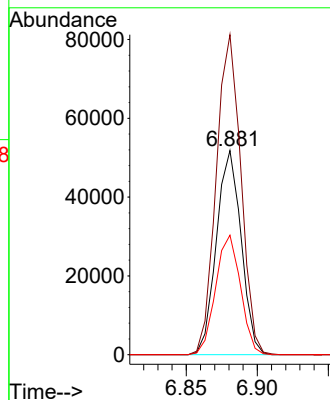
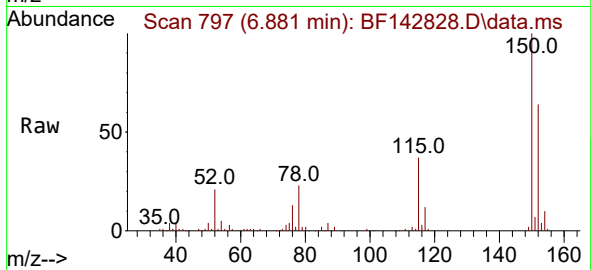




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142828.D
 Acq: 24 Jun 2025 19:36

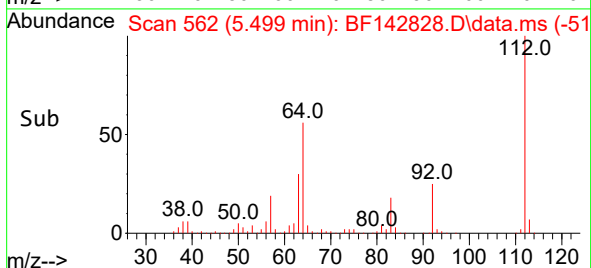
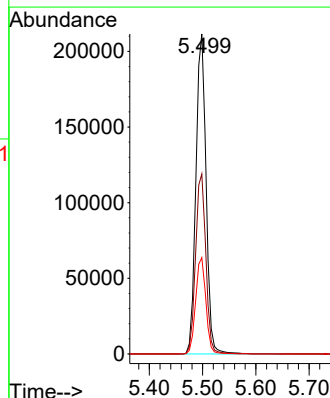
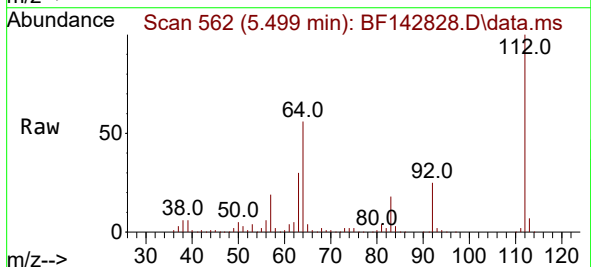
Instrument :
 BNA_F
 ClientSampleId :
 M00-25-0179

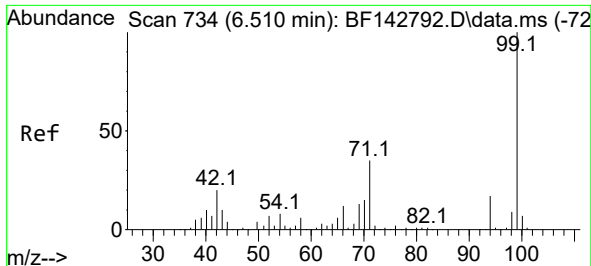
Tgt Ion:152 Resp: 62690
 Ion Ratio Lower Upper
 152 100
 150 156.8 127.2 190.8
 115 58.5 46.6 69.8



#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

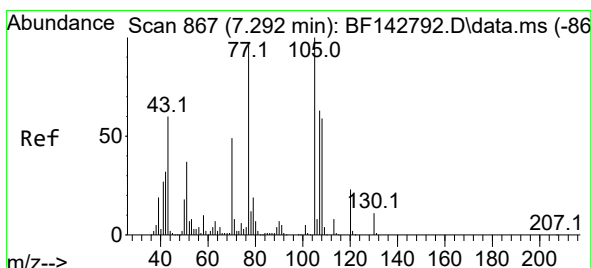
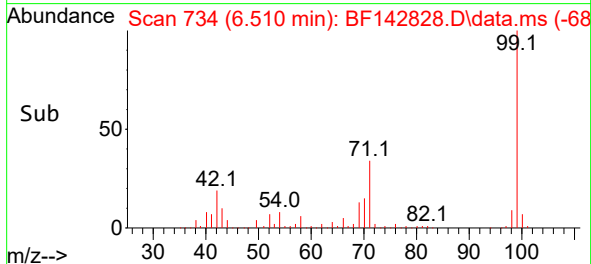
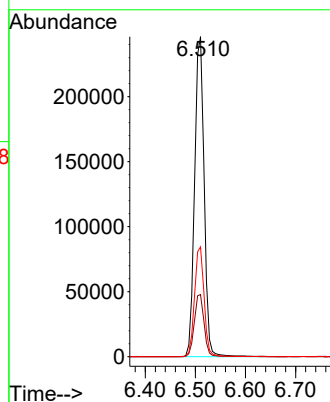
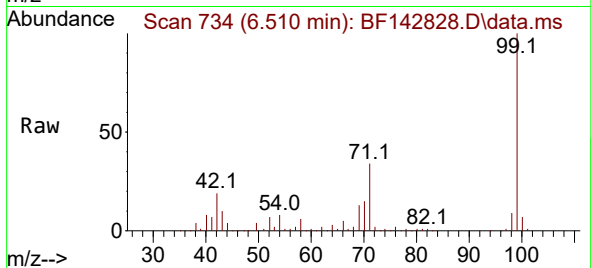




#7
Phenol-d6
Concen: 72.784 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

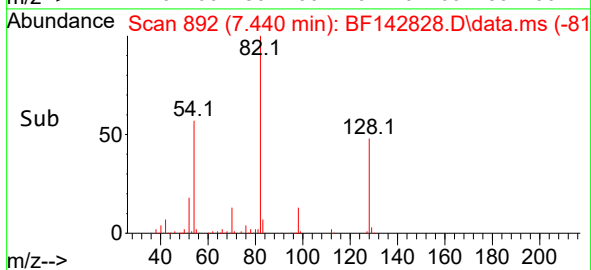
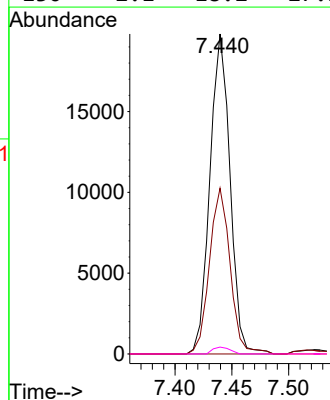
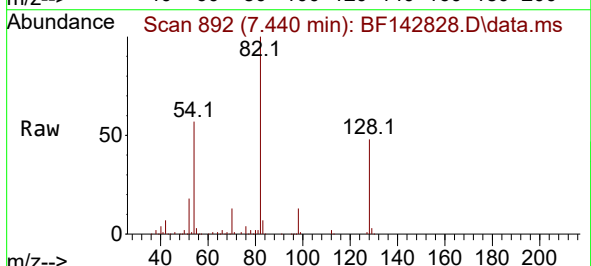
Instrument :
BNA_F
ClientSampleId :
M00-25-0179

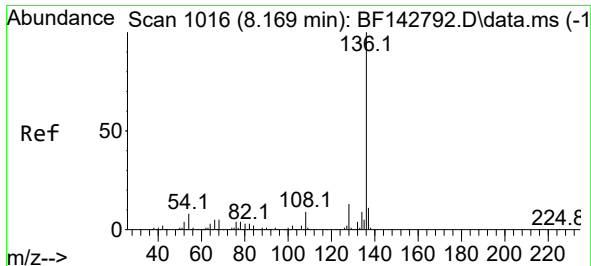
Tgt Ion: 99 Resp: 323334
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.449 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

Tgt Ion: 70 Resp: 24413
Ion Ratio Lower Upper
70 100
42 51.8 52.1 78.1#
101 0.0 8.2 12.2#
130 2.1 18.2 27.2#



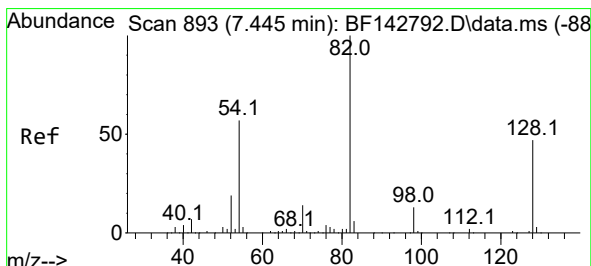
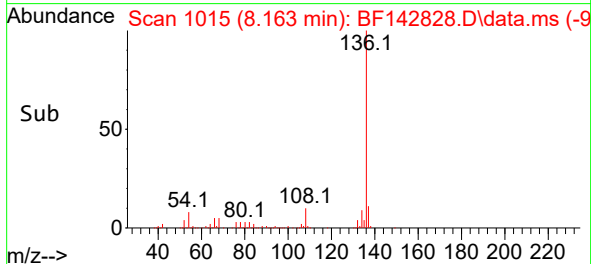
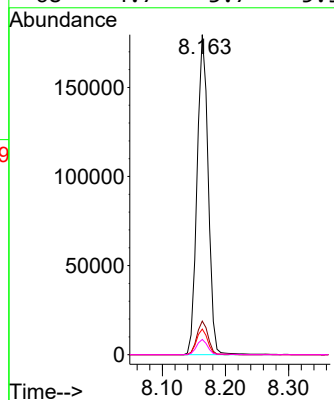
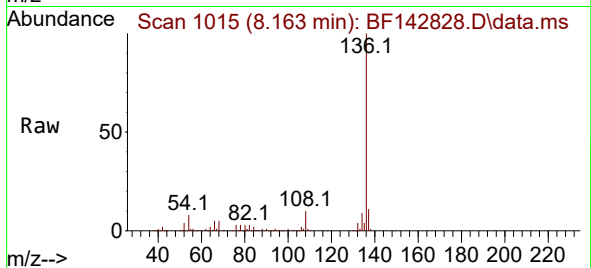


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

Instrument :
BNA_F
ClientSampleId :
M00-25-0179

Tgt Ion:136 Resp: 219595

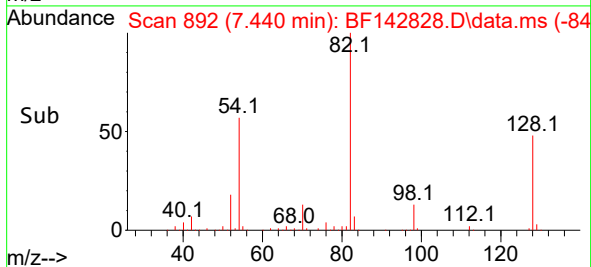
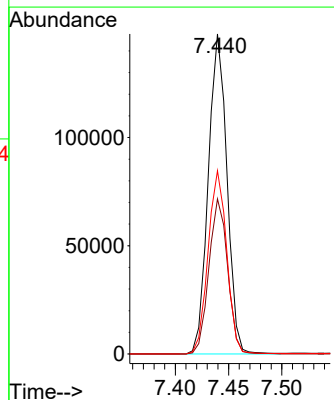
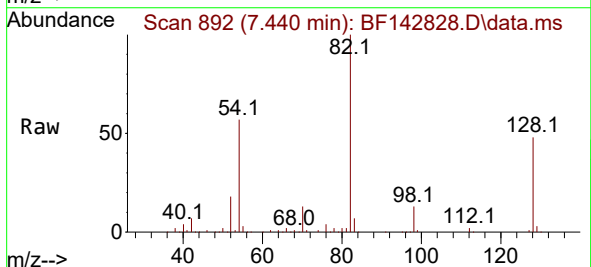
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	8.0	6.3	9.5
68	4.7	3.7	5.5

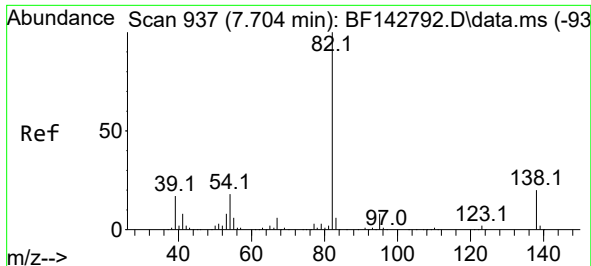


#23
Nitrobenzene-d5
Concen: 45.149 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

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

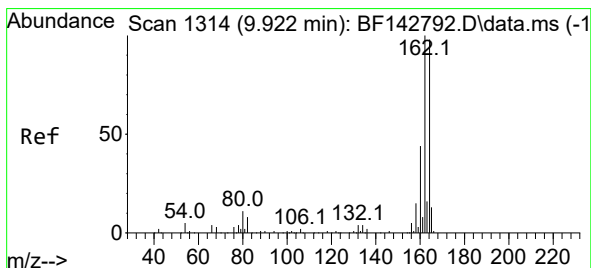
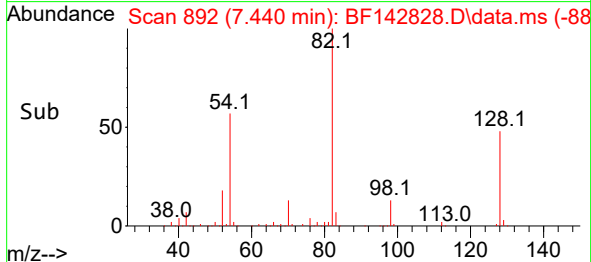
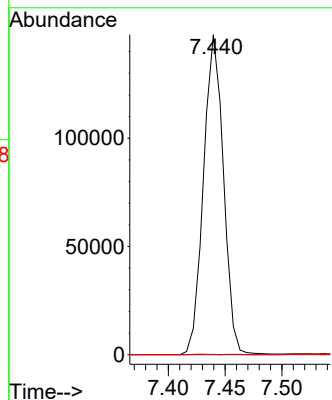
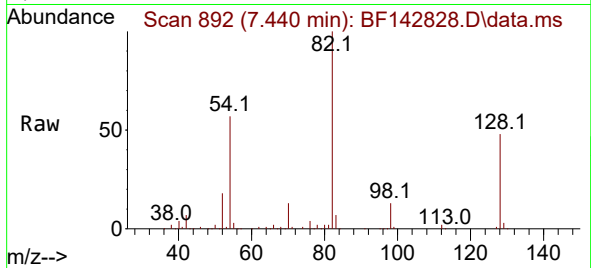




#25
Isophorone
Concen: 28.144 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.264 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

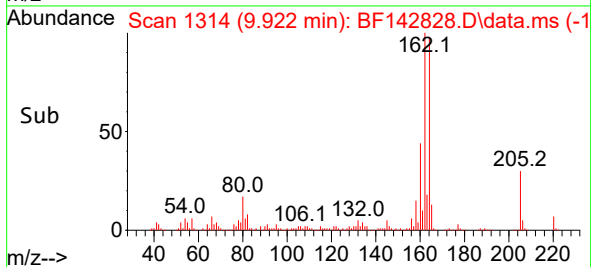
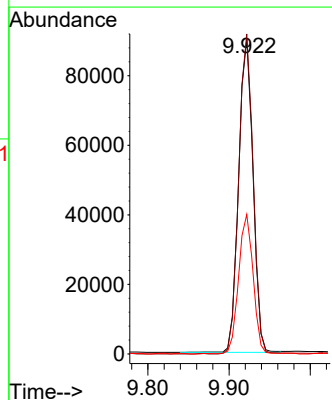
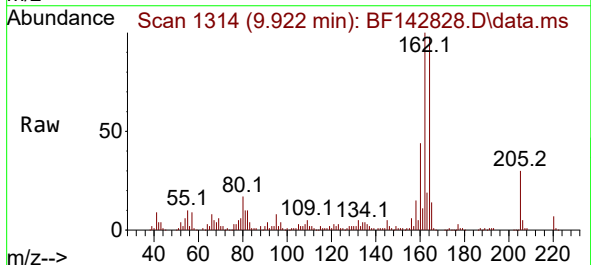
Instrument :
BNA_F
ClientSampleId :
M00-25-0179

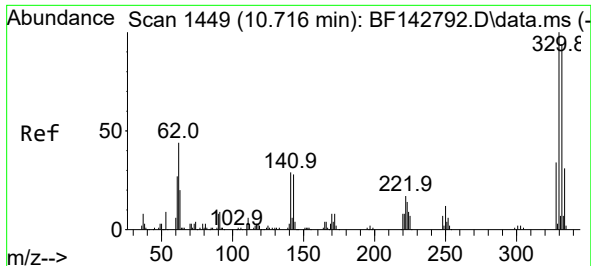
Tgt Ion: 82 Resp: 180750
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 16.2 24.4#



#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

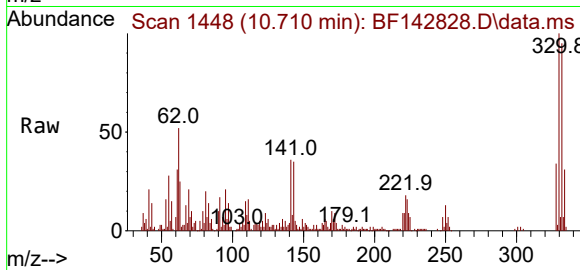
Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179



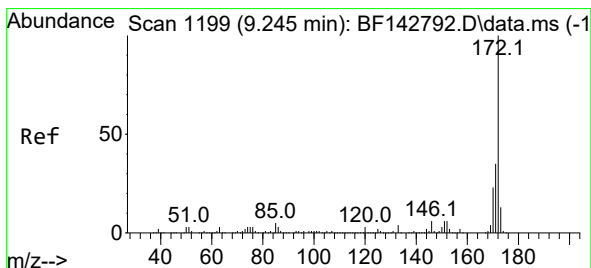
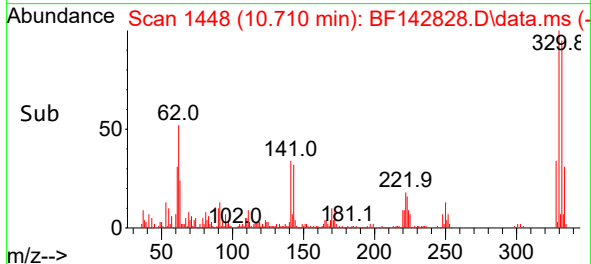
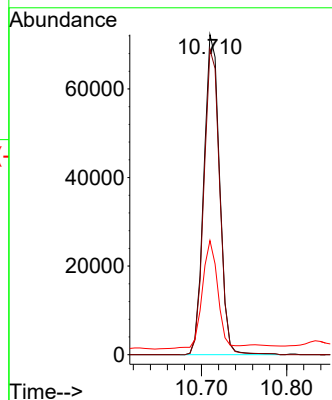
Tgt Ion:330 Resp: 92805

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

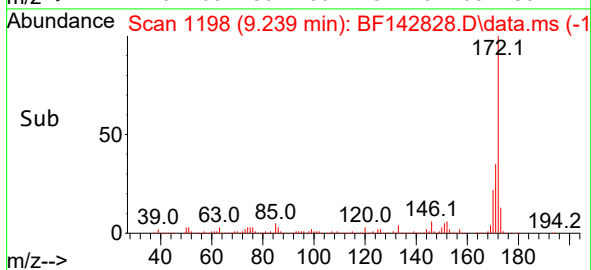
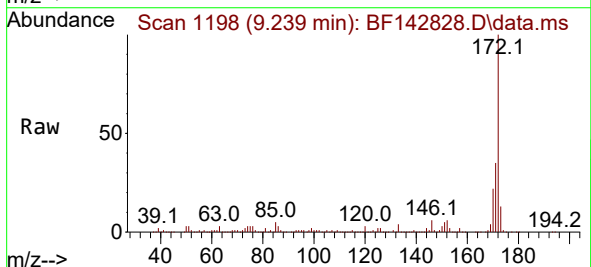
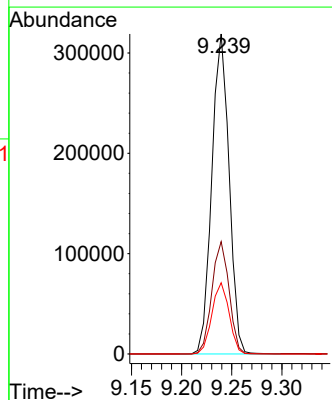
Tgt Ion:172 Resp: 382775

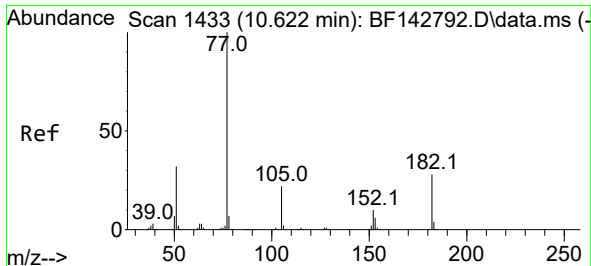
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.3 18.5 27.7

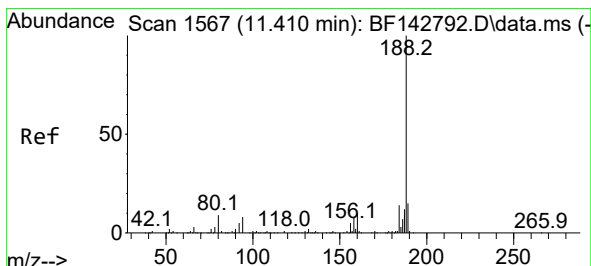
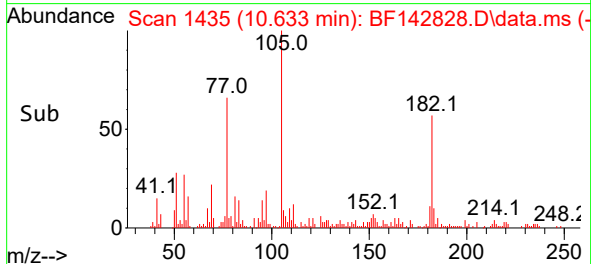
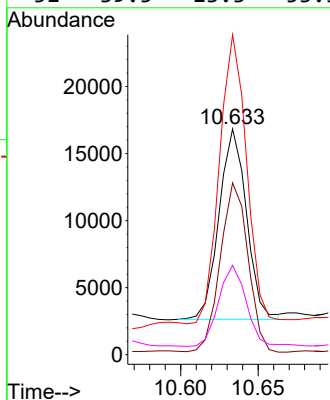
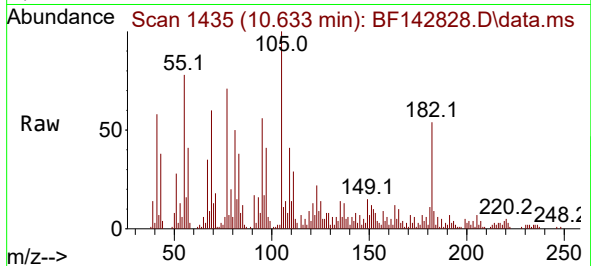




#63
Azobenzene
Concen: 2.787 ng
RT: 10.633 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

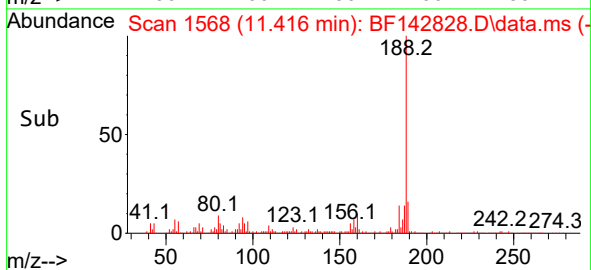
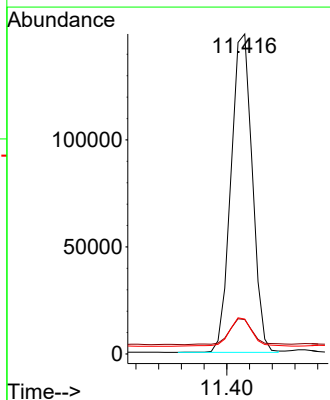
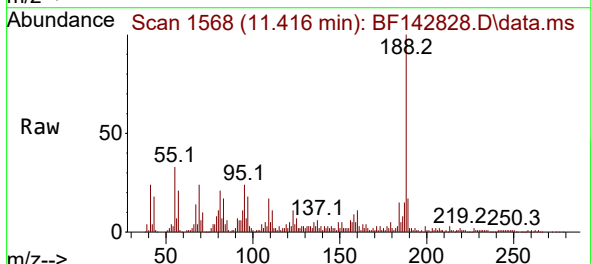
Instrument :
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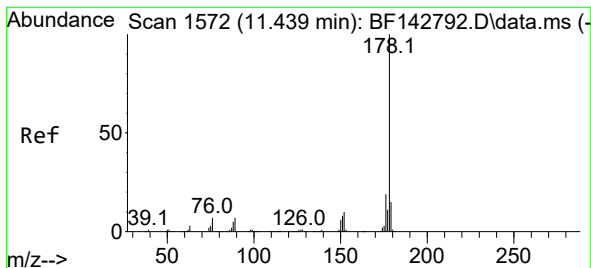
Tgt Ion: 77 Resp: 17460
Ion Ratio Lower Upper
77 100
182 76.1 7.7 47.7#
105 141.8 1.9 41.9#
51 39.5 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

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# 1

Delta R.T. -0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

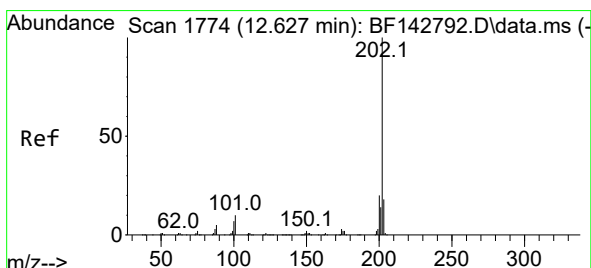
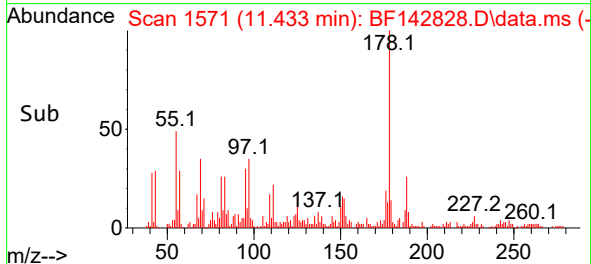
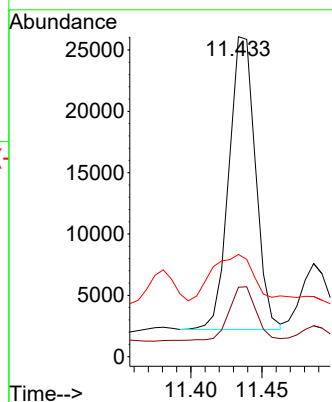
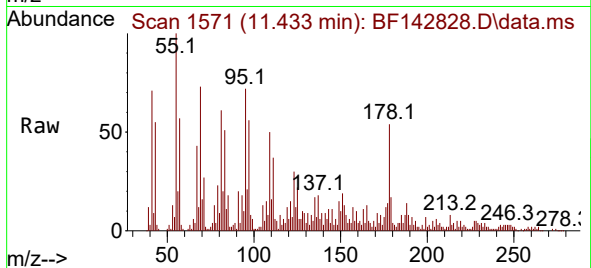
Tgt Ion:178 Resp: 31027

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# 1775

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

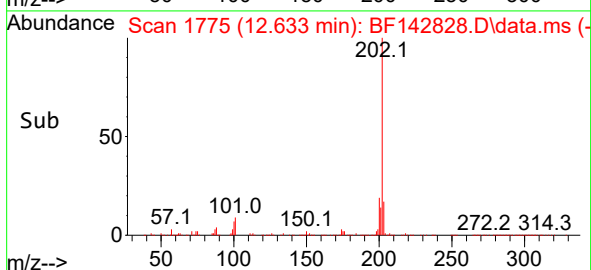
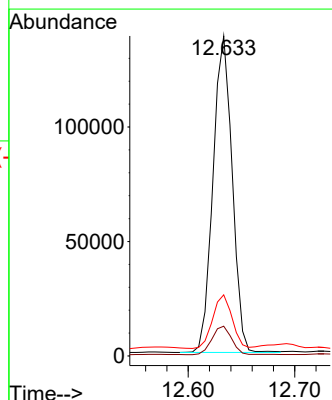
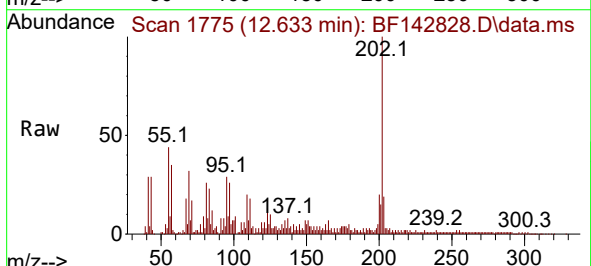
Tgt Ion:202 Resp: 173148

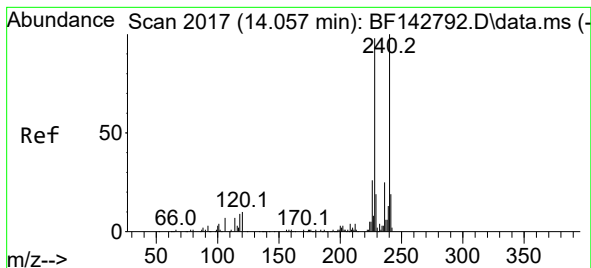
Ion Ratio Lower Upper

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# 20

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

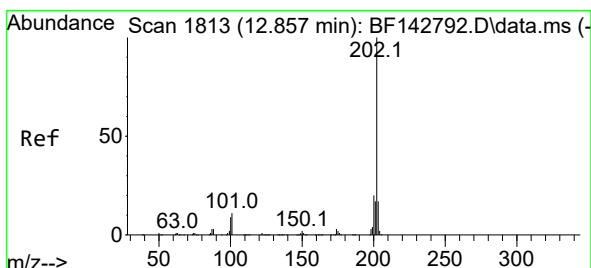
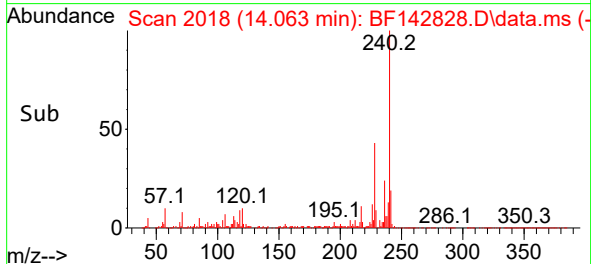
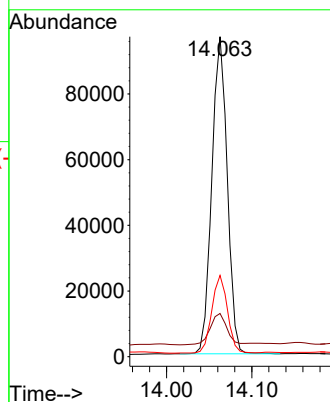
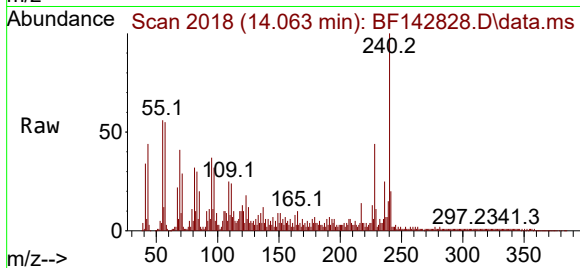
Tgt Ion:240 Resp: 121868

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# 1814

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

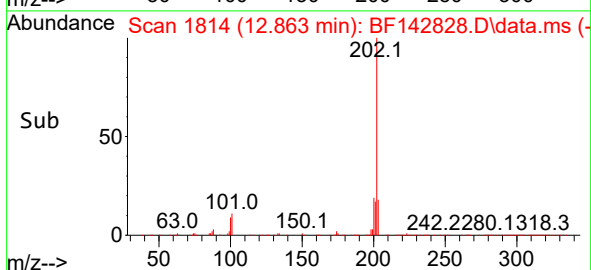
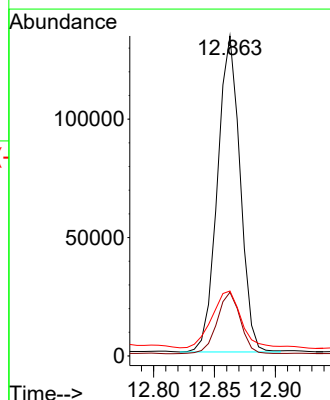
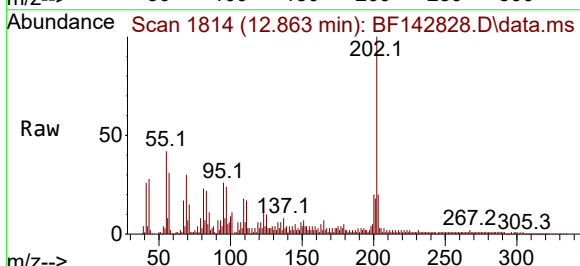
Tgt Ion:202 Resp: 172487

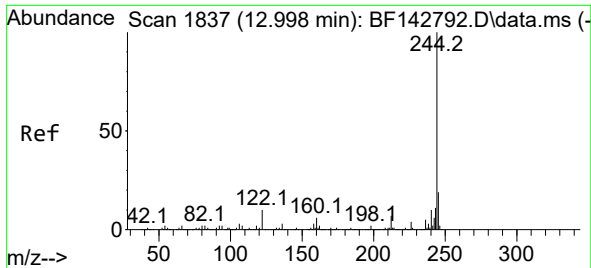
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 20.3 13.8 20.6

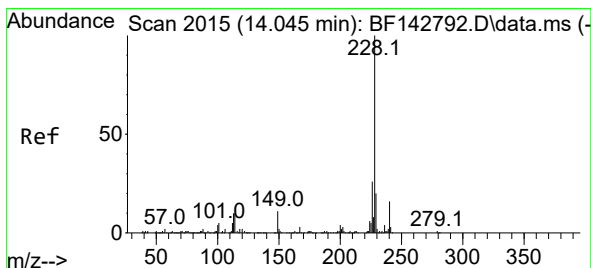
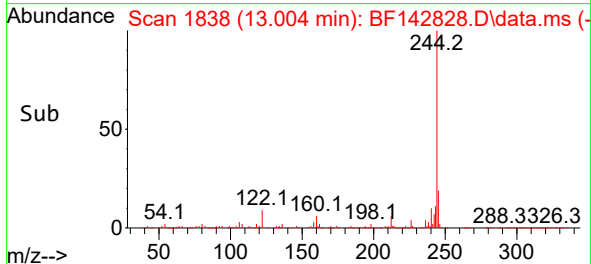
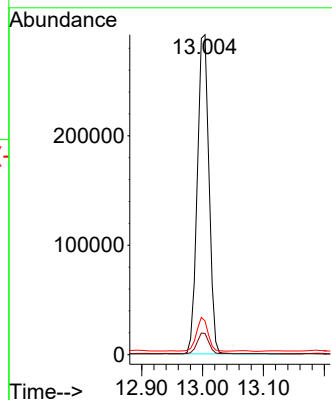
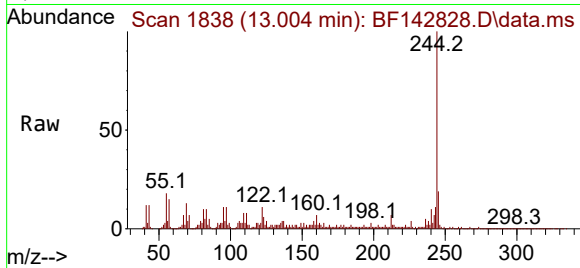




#79
 Terphenyl-d14
 Concen: 43.918 ng
 RT: 13.004 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF142828.D
 Acq: 24 Jun 2025 19:36

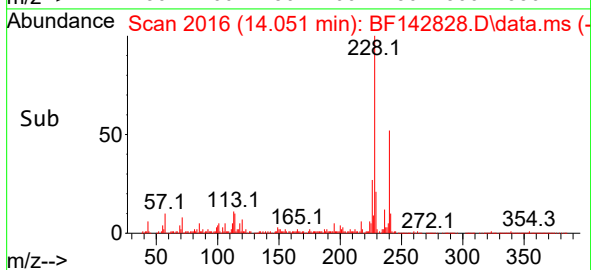
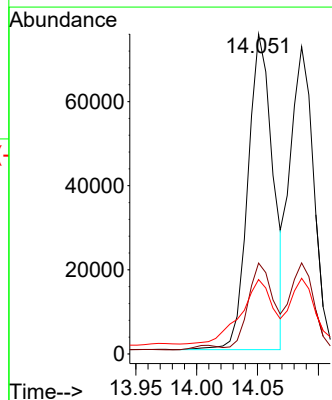
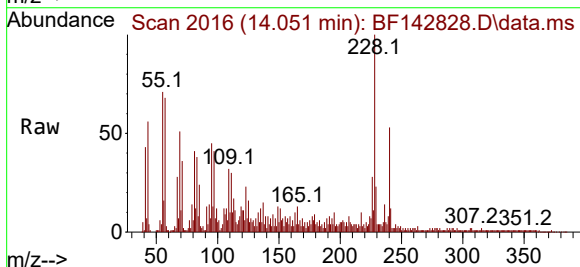
Instrument :
 BNA_F
 ClientSampleId :
 M00-25-0179

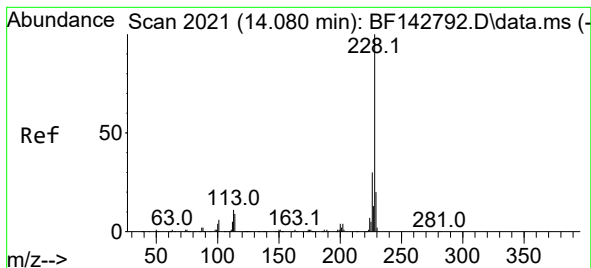
Tgt Ion:244 Resp: 387360
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.6 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 13.111 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: BF142828.D
 Acq: 24 Jun 2025 19:36

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: 14.693 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

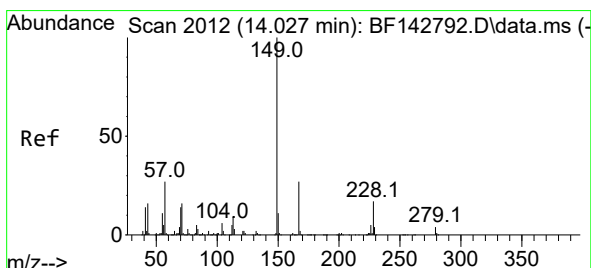
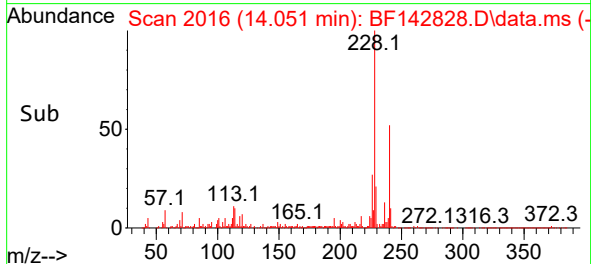
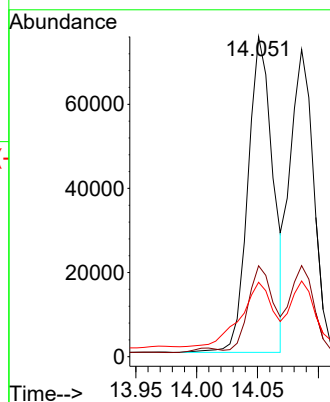
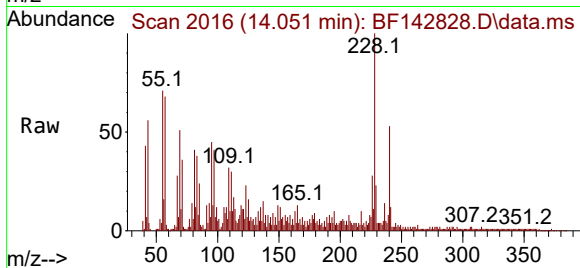
Tgt Ion:228 Resp: 107788

Ion Ratio Lower Upper

228 100

226 28.4 23.7 35.5

229 23.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.829 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.006 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

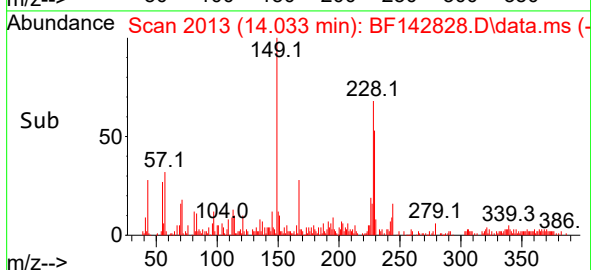
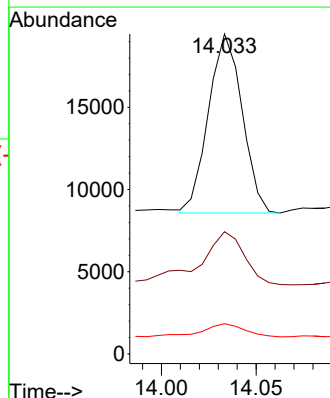
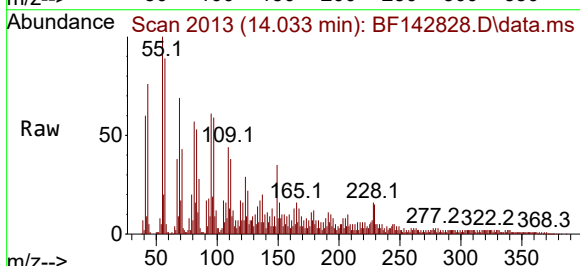
Tgt Ion:149 Resp: 13489

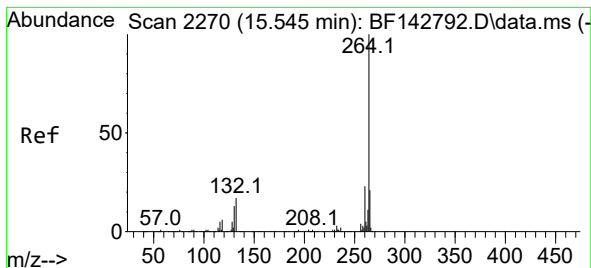
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.030 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

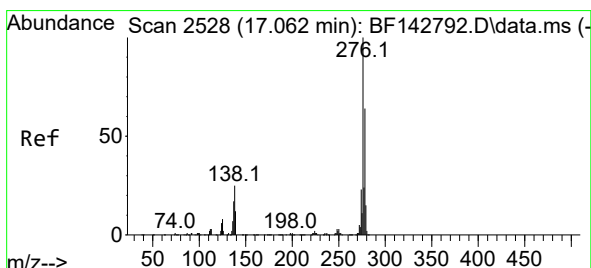
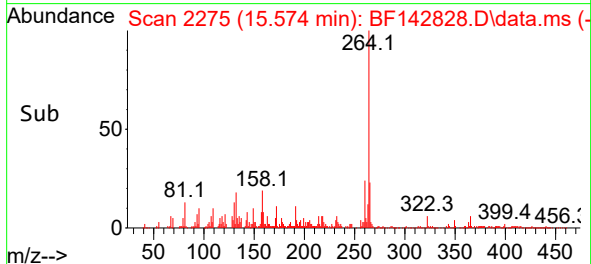
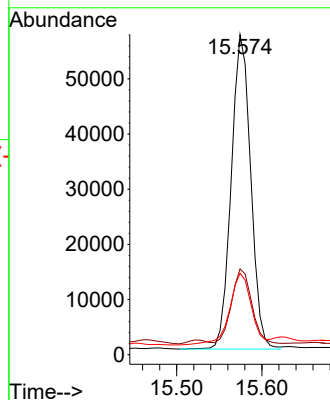
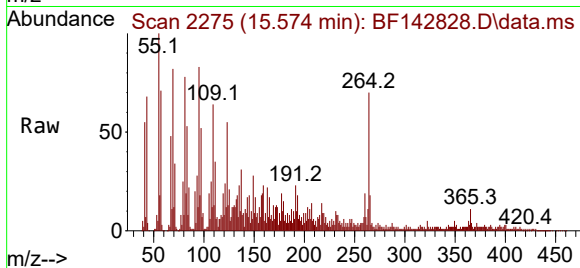
Tgt Ion:264 Resp: 90598

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# 2538

Delta R.T. 0.059 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

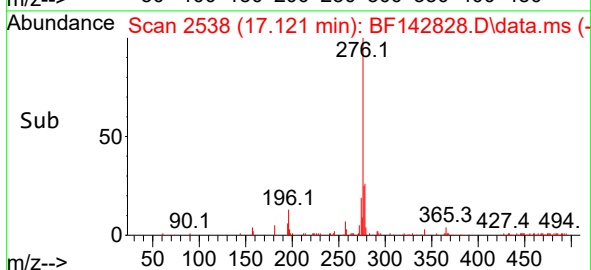
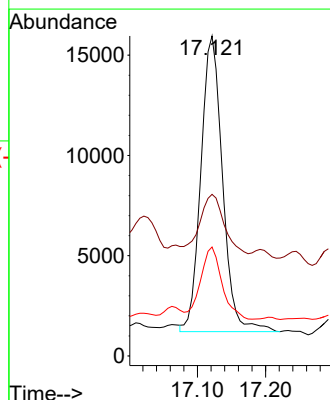
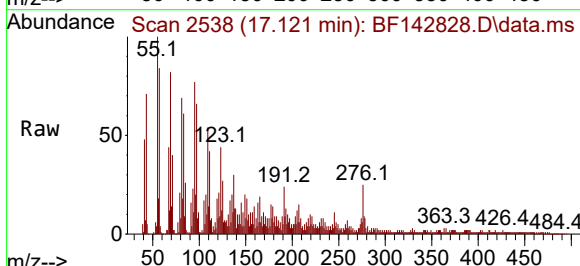
Tgt Ion:276 Resp: 32630

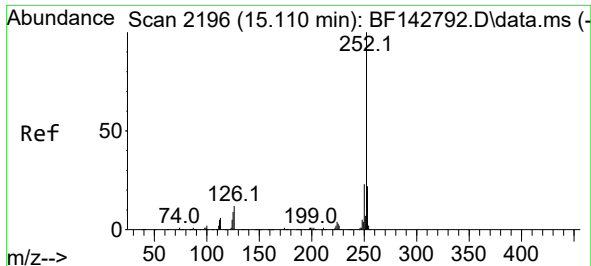
Ion Ratio Lower Upper

276 100

138 28.1 20.2 30.4

277 25.0 19.8 29.6

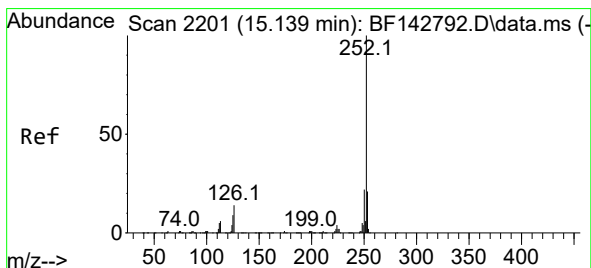
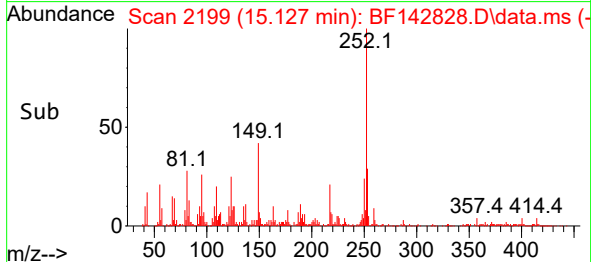
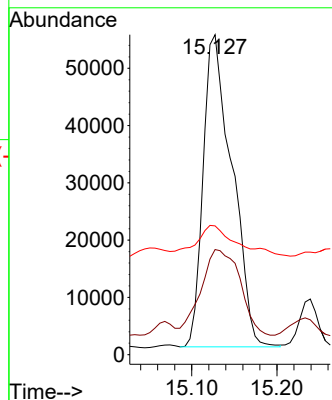
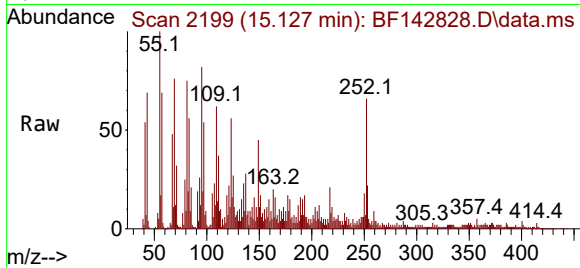




#88
Benzo(b)fluoranthene
Concen: 24.482 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.018 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

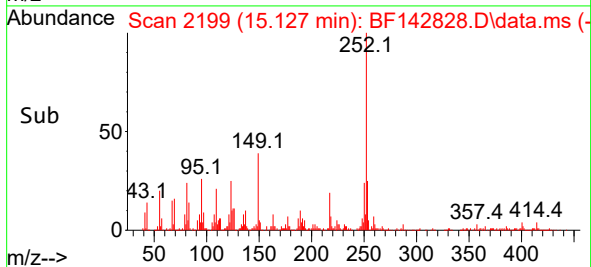
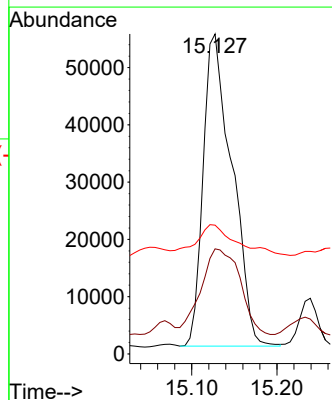
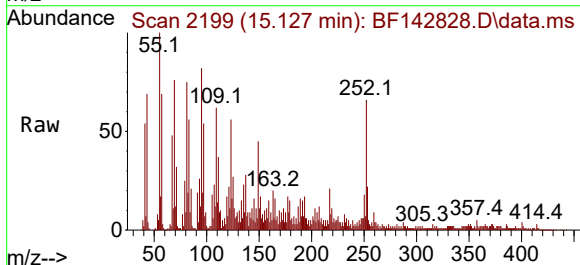
Instrument :
BNA_F
ClientSampleId :
M00-25-0179

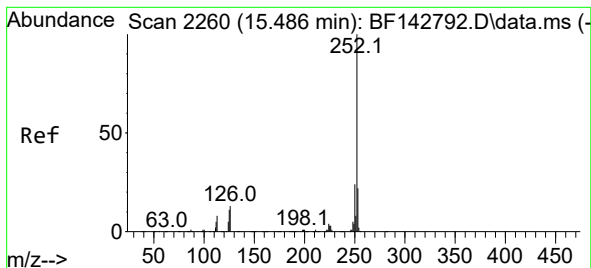
Tgt Ion:252 Resp: 128342
Ion Ratio Lower Upper
252 100
253 32.9 17.5 26.3#
125 40.3 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 26.167 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF142828.D
Acq: 24 Jun 2025 19:36

Tgt Ion:252 Resp: 128342
Ion Ratio Lower Upper
252 100
253 32.9 17.2 25.8#
125 40.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 11.504 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

Instrument :

BNA_F

ClientSampleId :

M00-25-0179

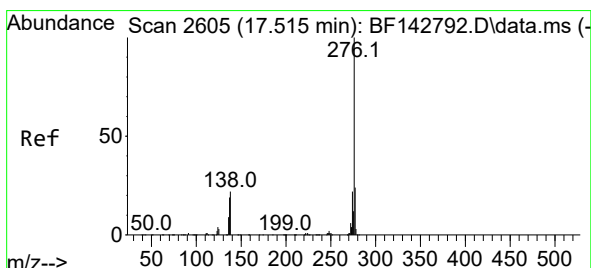
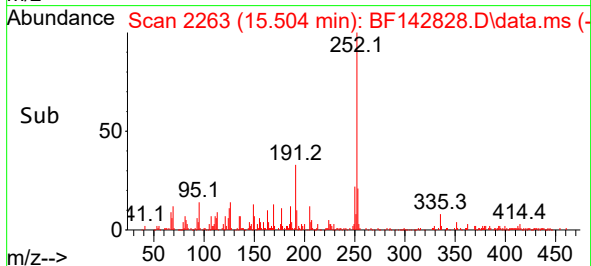
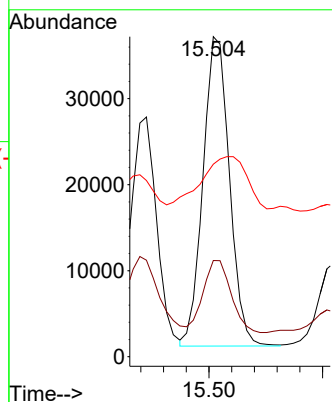
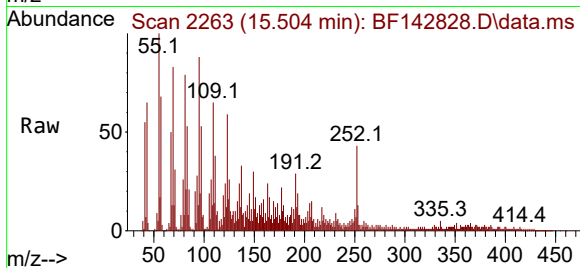
Tgt Ion:252 Resp: 58260

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# 2617

Delta R.T. 0.071 min

Lab File: BF142828.D

Acq: 24 Jun 2025 19:36

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#

