

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143017.D
 Acq On : 07 Jul 2025 19:21
 Operator : RC/JU
 Sample : Q2507-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-7.3-2025

Quant Time: Jul 08 00:58:24 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)

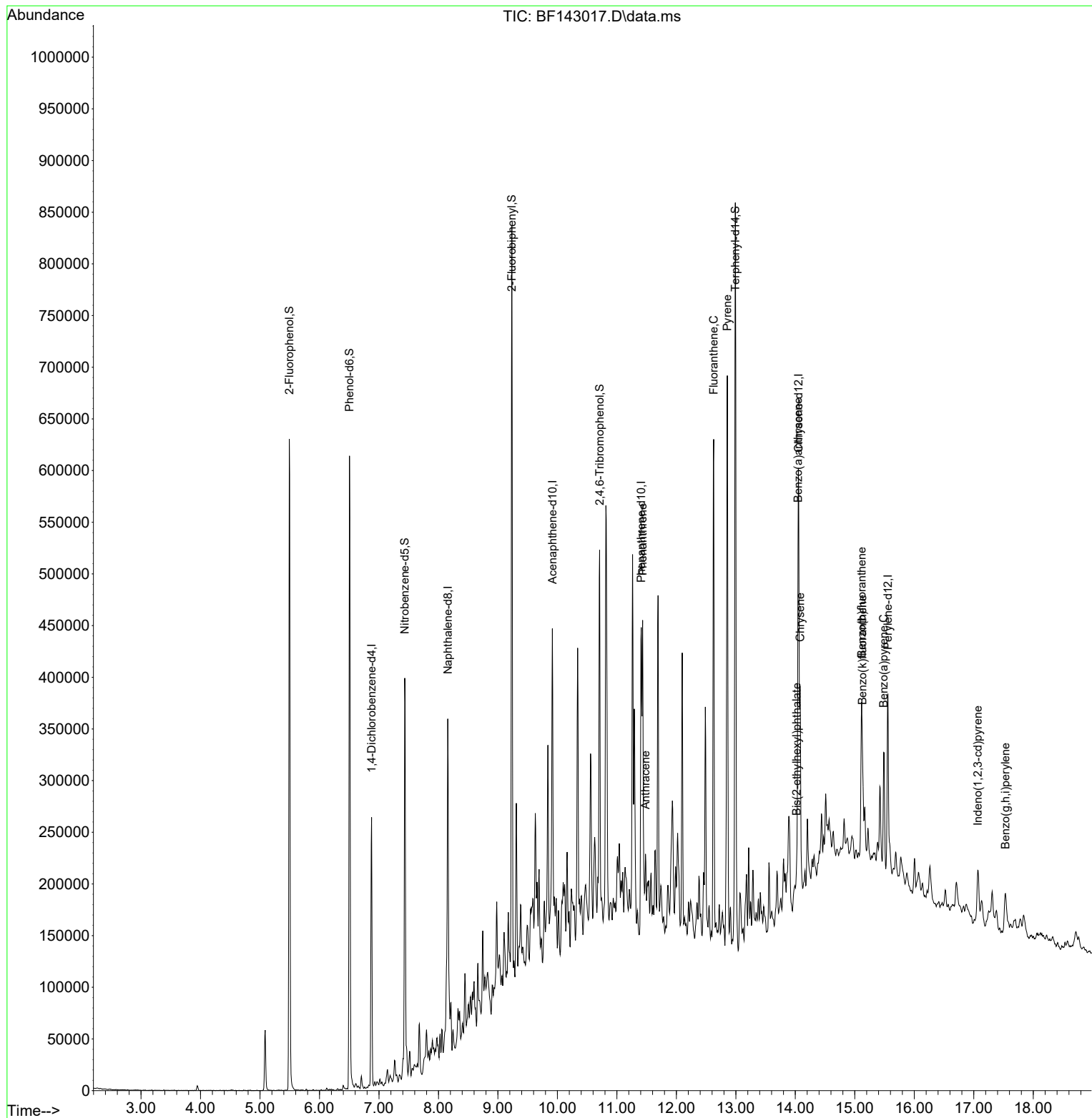
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	57682	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	188930	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	85733	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	148052	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122908	20.000	ng	0.00
86) Perylene-d12	15.556	264	87836	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	251467	72.583	ng	0.00
7) Phenol-d6	6.504	99	284516	69.607	ng	0.00
23) Nitrobenzene-d5	7.433	82	165300	47.990	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	63339	71.792	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	314053	48.122	ng	-0.01
79) Terphenyl-d14	12.992	244	335371	37.702	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	144788	18.053	ng	99
72) Anthracene	11.480	178	32656	3.970	ng	96
75) Fluoranthene	12.627	202	277143	36.412	ng	99
78) Pyrene	12.857	202	253514	22.005	ng	98
81) Benzo(a)anthracene	14.045	228	131189	15.822	ng	95
83) Chrysene	14.080	228	105638m	14.278	ng	
84) Bis(2-ethylhexyl)phtha...	14.021	149	11643	2.422	ng	# 91
87) Indeno(1,2,3-cd)pyrene	17.068	276	34898	5.216	ng	97
88) Benzo(b)fluoranthene	15.115	252	92113m	18.123	ng	
89) Benzo(k)fluoranthene	15.127	252	39662m	8.341	ng	
90) Benzo(a)pyrene	15.486	252	67779	13.804	ng	# 95
92) Benzo(g,h,i)perylene	17.533	276	31627	5.835	ng	95

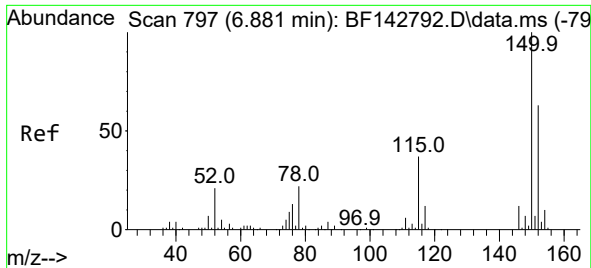
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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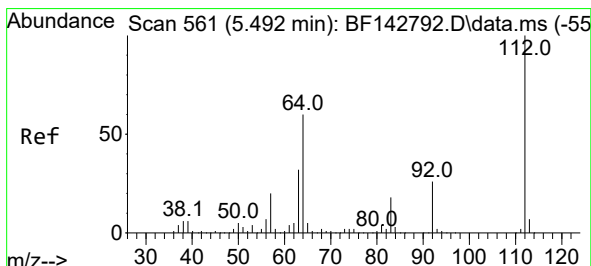
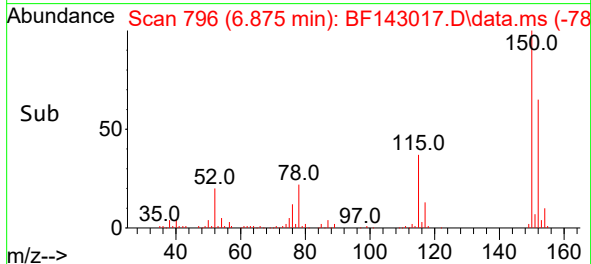
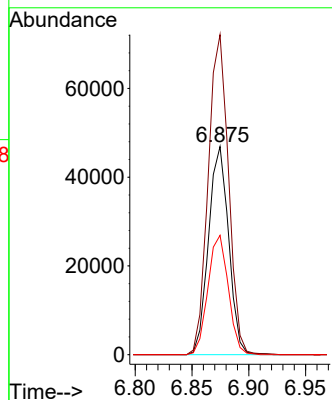
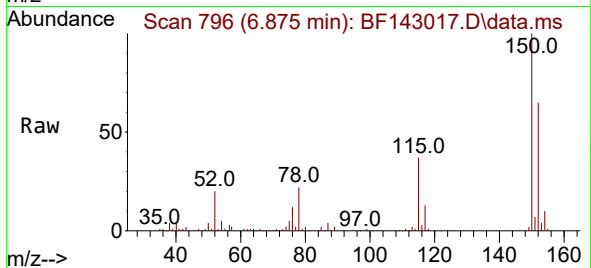




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143017.D
 Acq: 07 Jul 2025 19:21

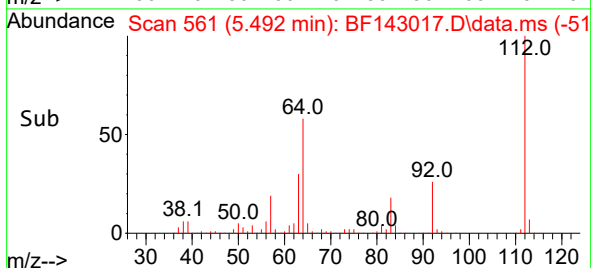
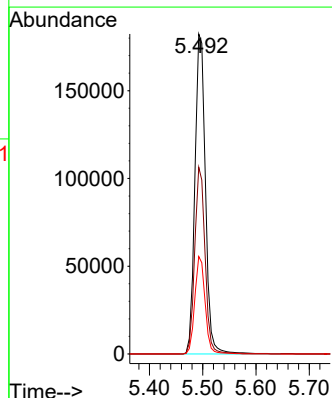
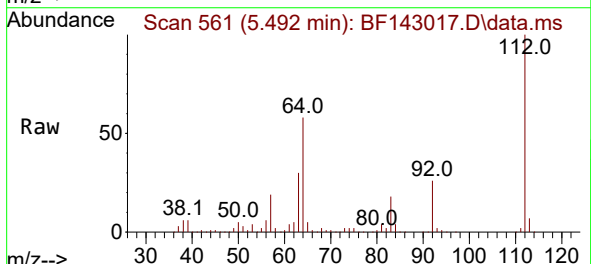
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-7.3-2025

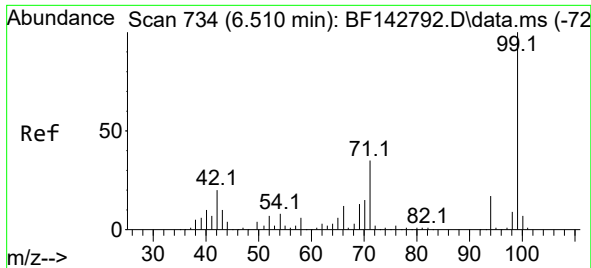
Tgt Ion:152 Resp: 57682
 Ion Ratio Lower Upper
 152 100
 150 153.8 127.2 190.8
 115 57.3 46.6 69.8



#5
 2-Fluorophenol
 Concen: 72.583 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF143017.D
 Acq: 07 Jul 2025 19:21

Tgt Ion:112 Resp: 251467
 Ion Ratio Lower Upper
 112 100
 64 58.3 48.2 72.2
 63 30.4 25.7 38.5

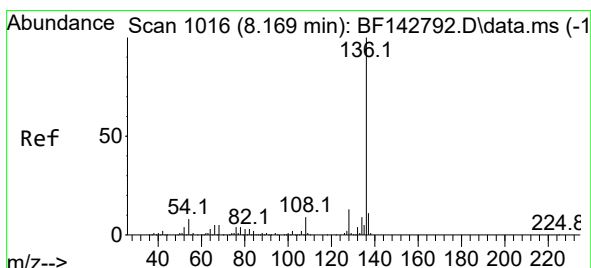
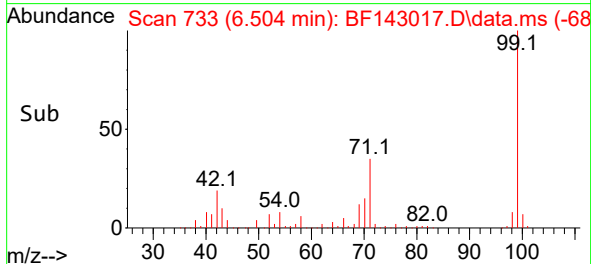
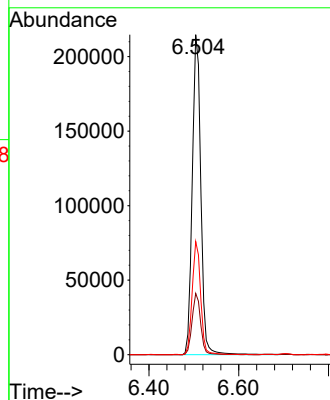
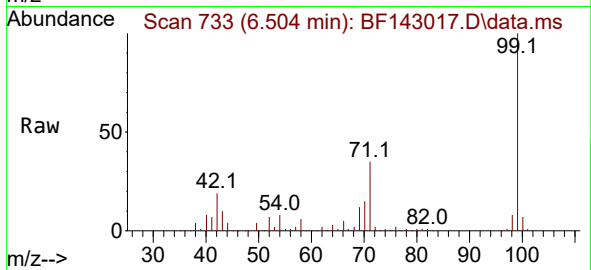




#7
Phenol-d6
Concen: 69.607 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

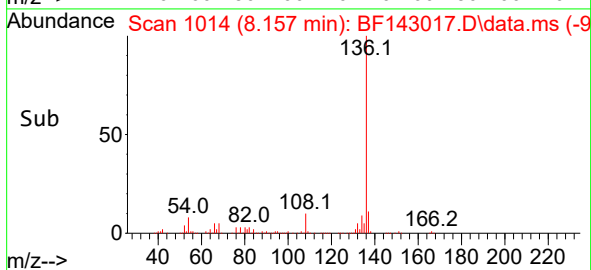
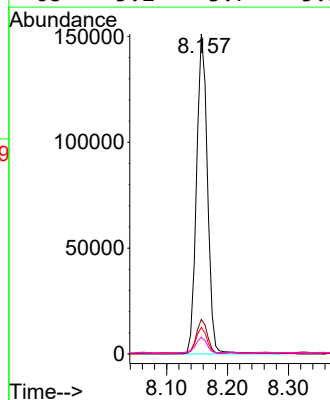
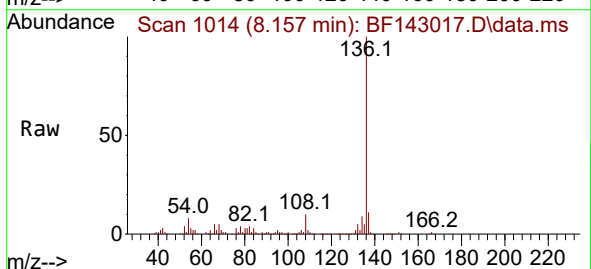
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

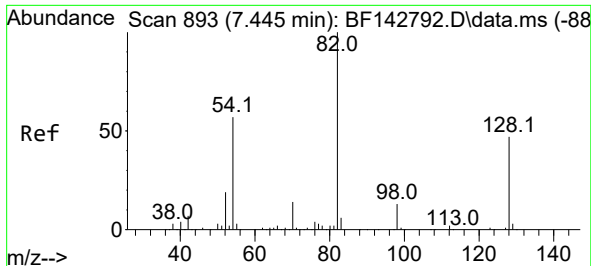
Tgt Ion: 99 Resp: 284516
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

Tgt Ion: 136 Resp: 188930
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.3 6.3 9.5
68 5.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 47.990 ng

RT: 7.433 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

SU-04-7.3-2025

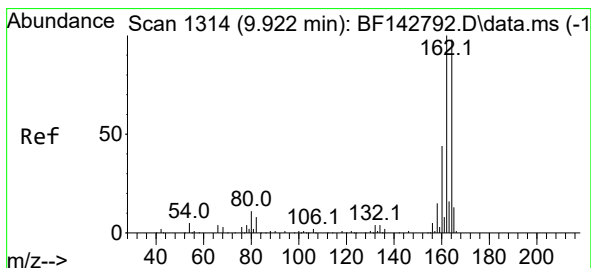
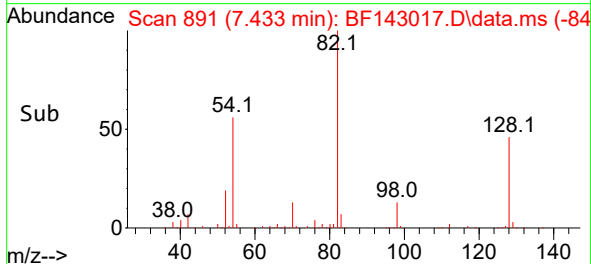
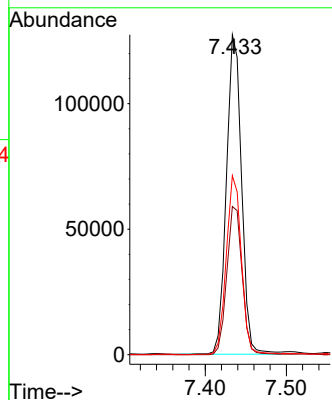
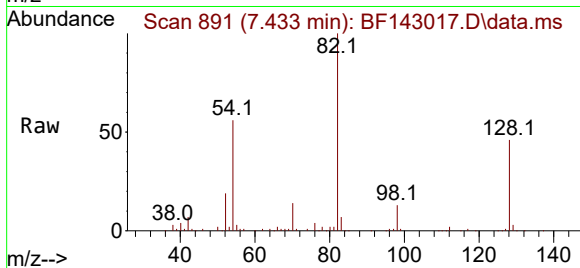
Tgt Ion: 82 Resp: 165300

Ion Ratio Lower Upper

82 100

128 46.3 37.7 56.5

54 55.9 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: BF143017.D

Acq: 07 Jul 2025 19:21

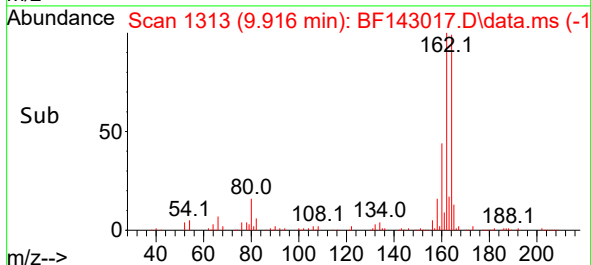
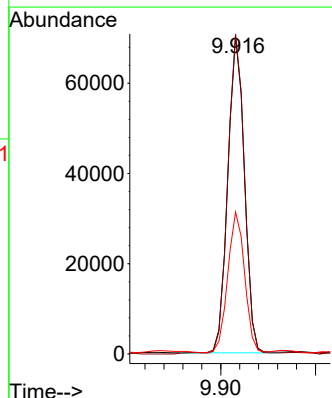
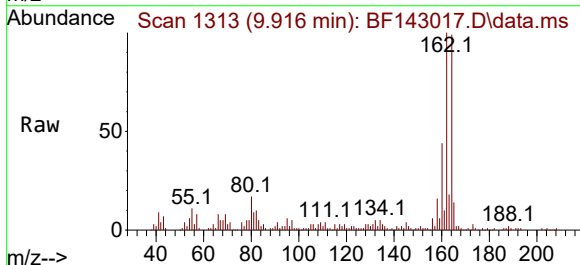
Tgt Ion:164 Resp: 85733

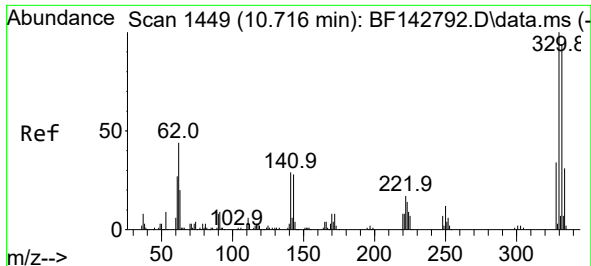
Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.8

160 44.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 71.792 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143017.D

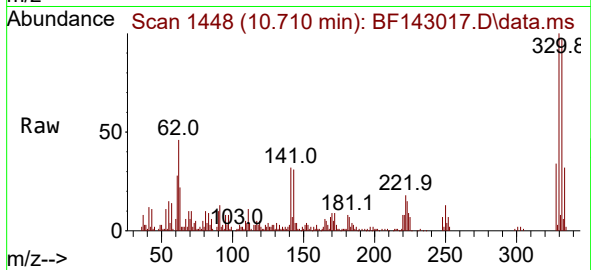
Acq: 07 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

SU-04-7.3-2025



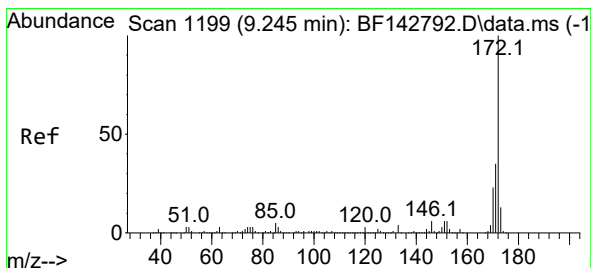
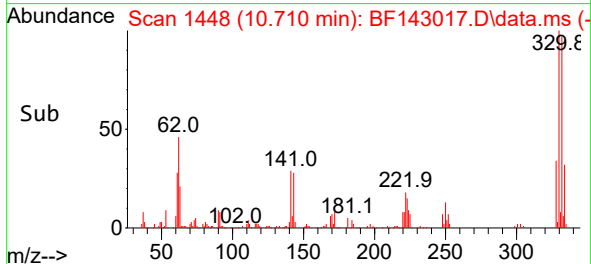
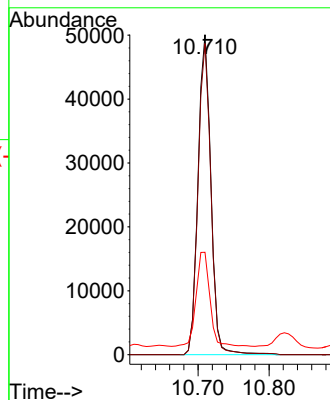
Tgt Ion:330 Resp: 63339

Ion Ratio Lower Upper

330 100

332 97.1 75.0 112.6

141 31.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 48.122 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

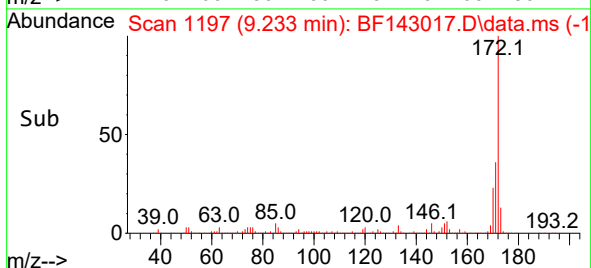
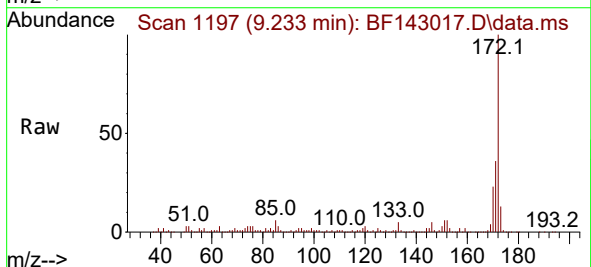
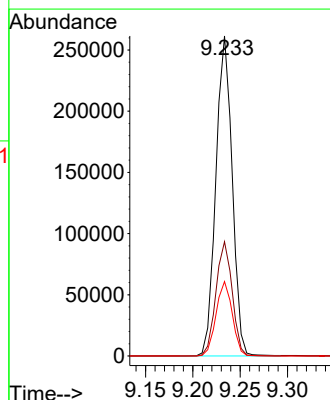
Tgt Ion:172 Resp: 314053

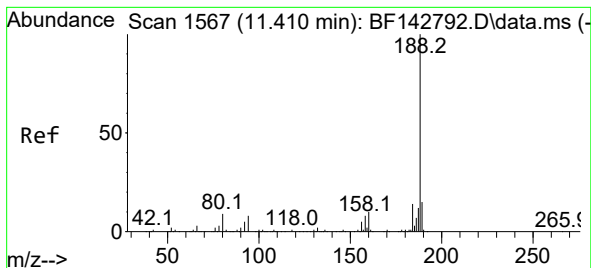
Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.2 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

SU-04-7.3-2025

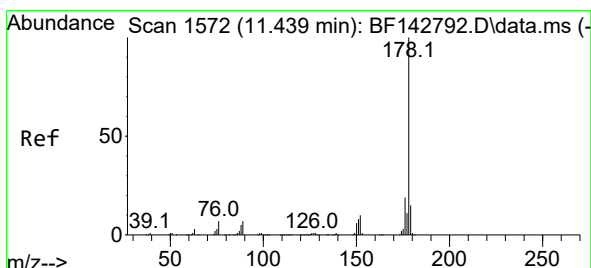
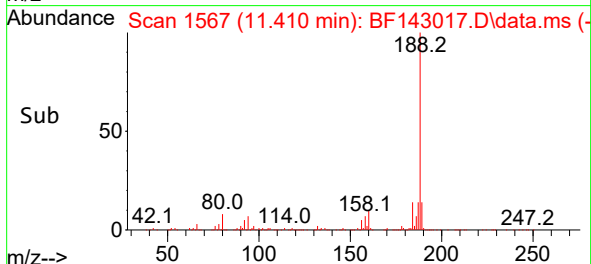
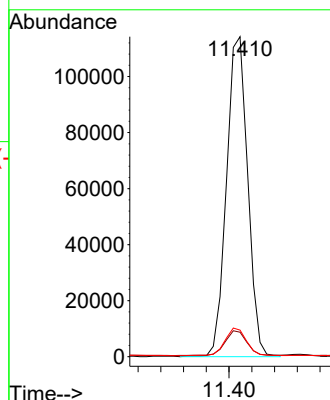
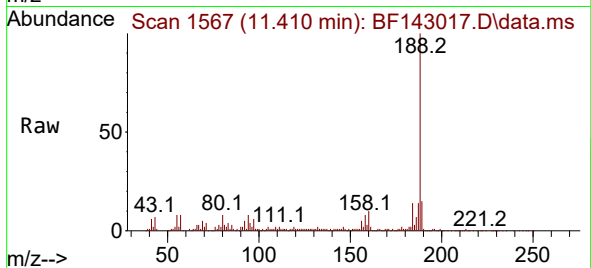
Tgt Ion:188 Resp: 148052

Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 8.3 6.9 10.3



#71

Phenanthrene

Concen: 18.053 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

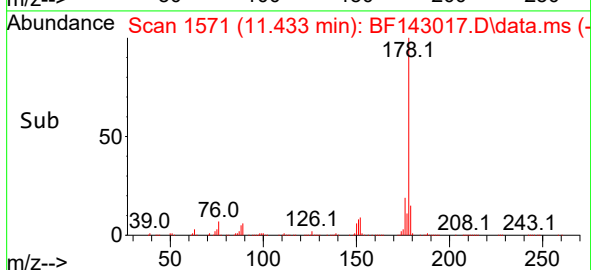
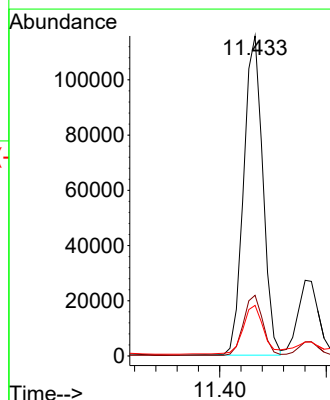
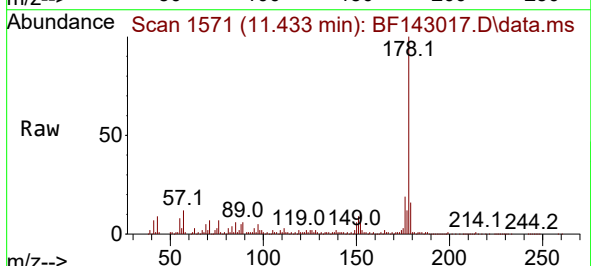
Tgt Ion:178 Resp: 144788

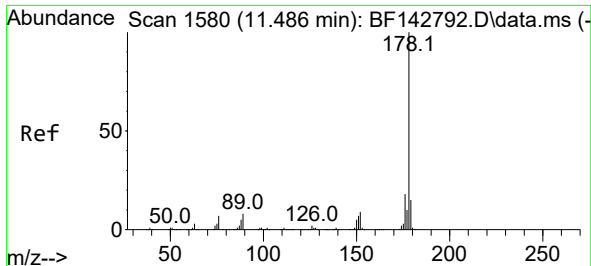
Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.8 12.0 18.0

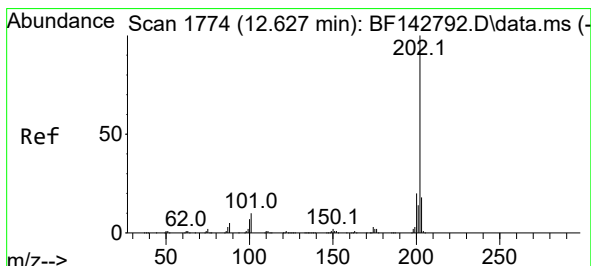
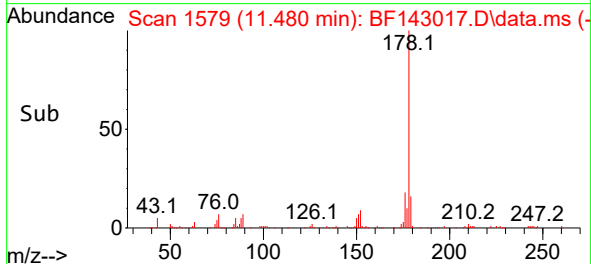
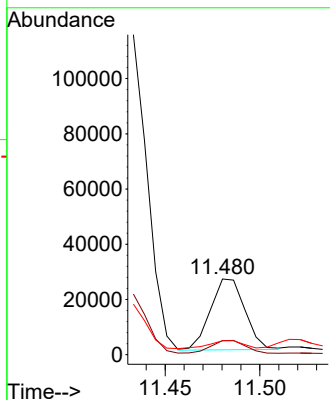
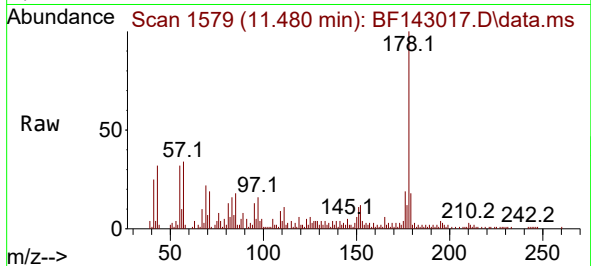




#72
 Anthracene
 Concen: 3.970 ng
 RT: 11.480 min Scan# 1579
 Delta R.T. -0.006 min
 Lab File: BF143017.D
 Acq: 07 Jul 2025 19:21

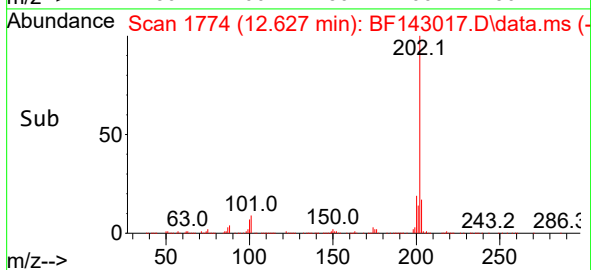
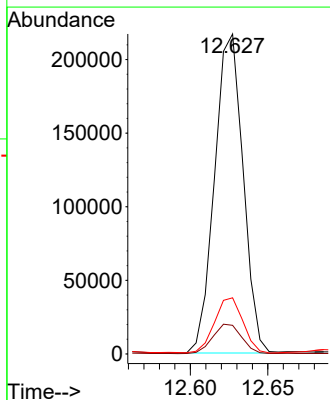
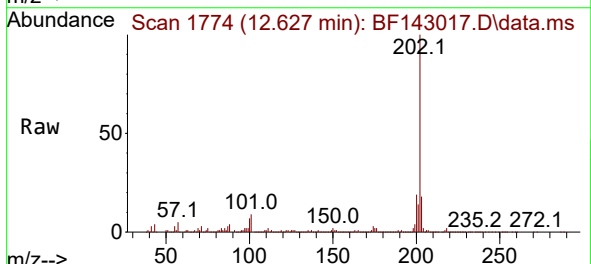
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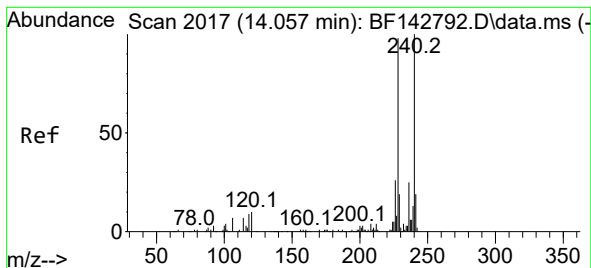
Tgt Ion:	178	Resp:	32656
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.6	21.8
179	18.5	12.4	18.6



#75
 Fluoranthene
 Concen: 36.412 ng
 RT: 12.627 min Scan# 1774
 Delta R.T. -0.000 min
 Lab File: BF143017.D
 Acq: 07 Jul 2025 19:21

Tgt Ion:	202	Resp:	277143
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	29.7
203	17.5	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

SU-04-7.3-2025

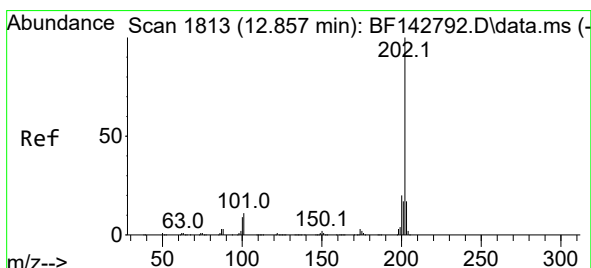
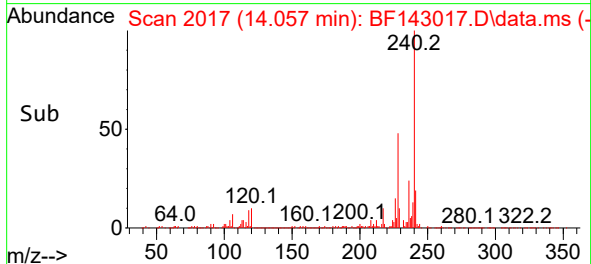
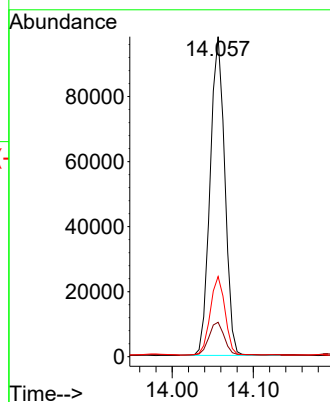
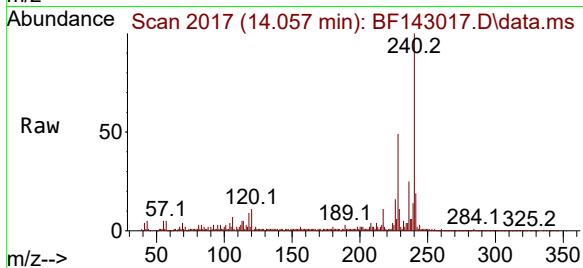
Tgt Ion:240 Resp: 122908

Ion Ratio Lower Upper

240 100

120 10.7 8.2 12.2

236 25.1 19.8 29.8



#78

Pyrene

Concen: 22.005 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

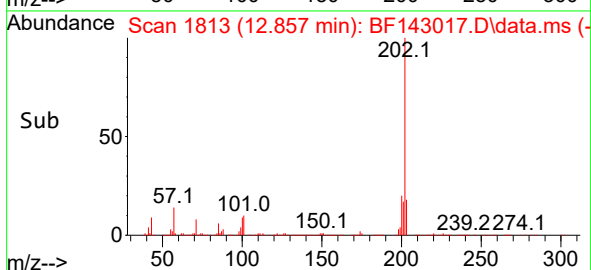
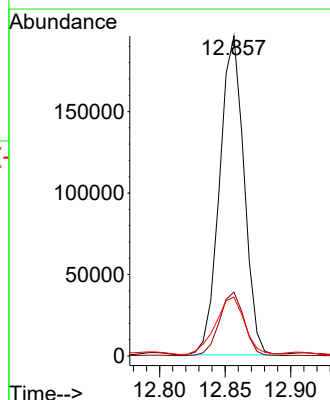
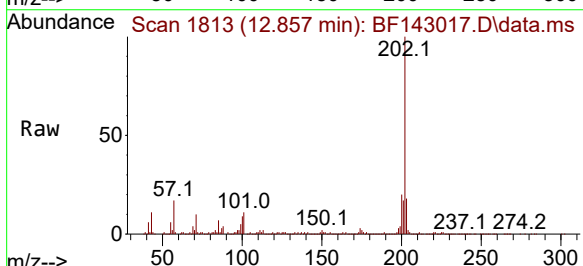
Tgt Ion:202 Resp: 253514

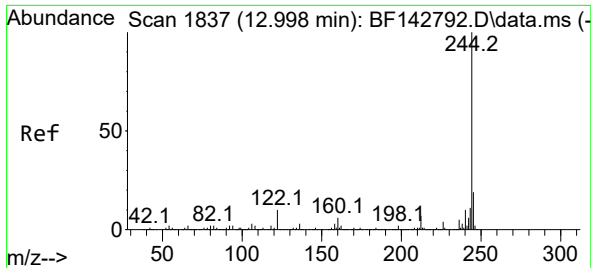
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 18.4 13.8 20.6

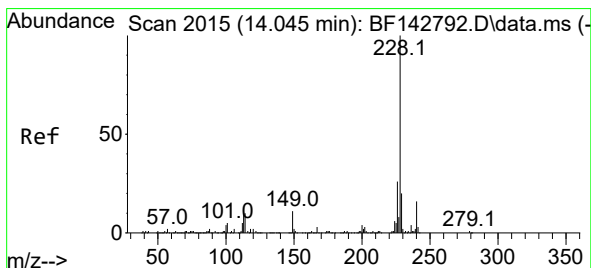
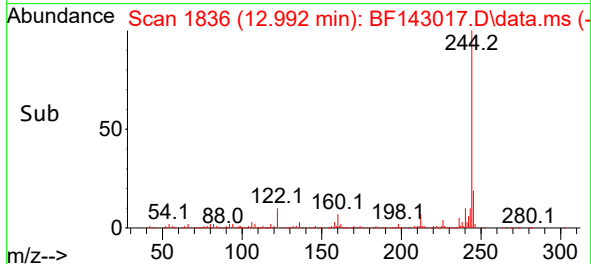
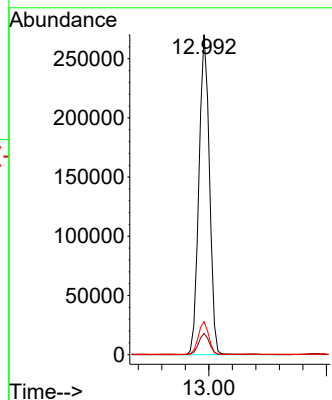
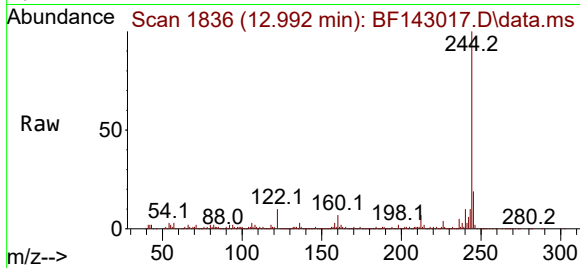




#79
 Terphenyl-d14
 Concen: 37.702 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143017.D
 Acq: 07 Jul 2025 19:21

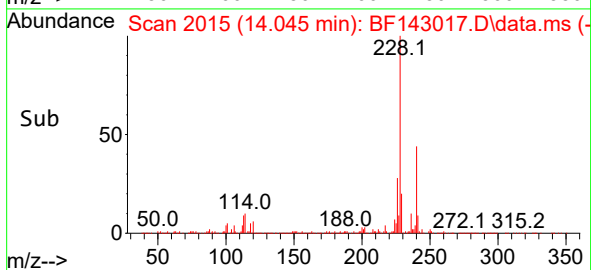
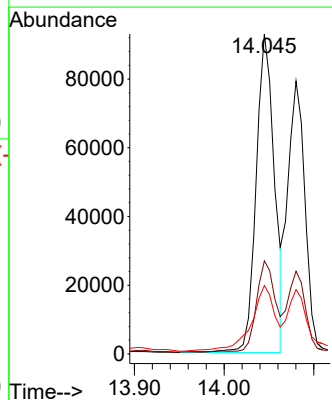
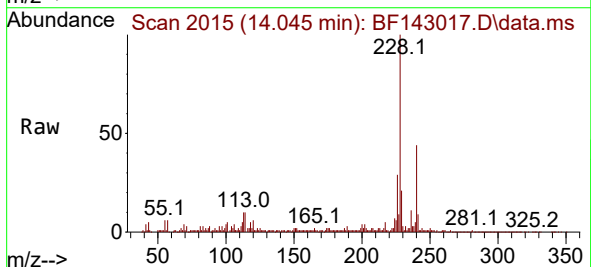
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-7.3-2025

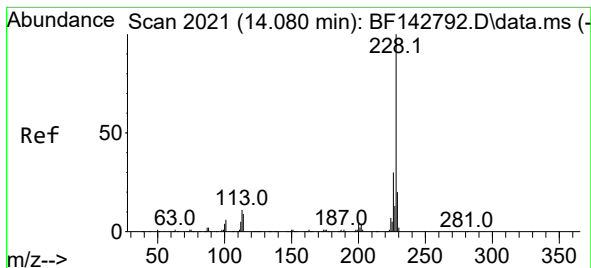
Tgt Ion:244 Resp: 335371
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.3 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 15.822 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. -0.000 min
 Lab File: BF143017.D
 Acq: 07 Jul 2025 19:21

Tgt Ion:228 Resp: 131189
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.2 31.8
 229 21.4 15.6 23.4





#83

Chrysene

Concen: 14.278 ng m

RT: 14.080 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

SU-04-7.3-2025

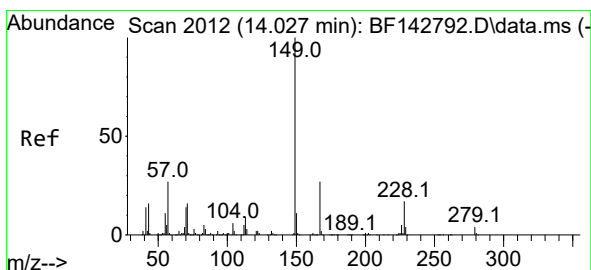
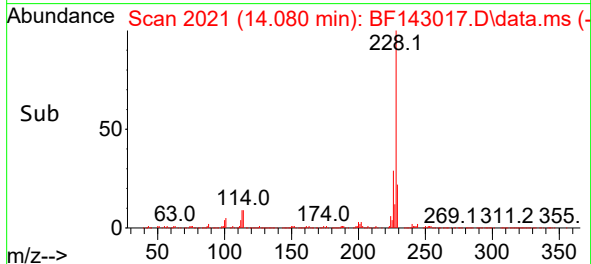
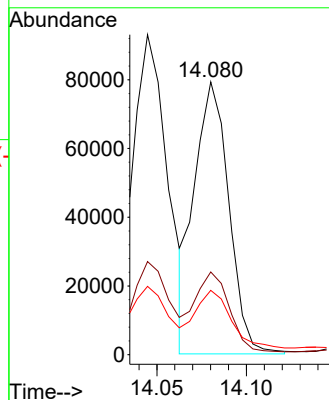
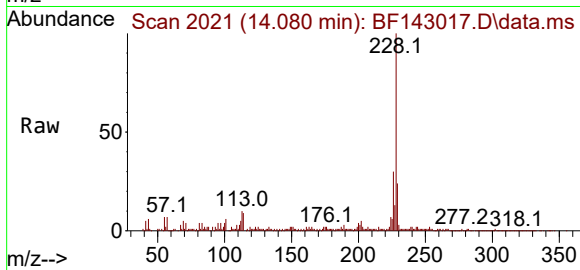
Tgt Ion:228 Resp: 105638

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 23.6 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.422 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

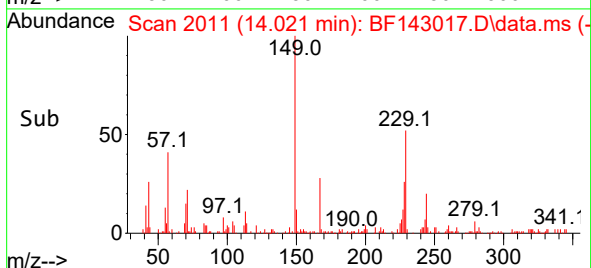
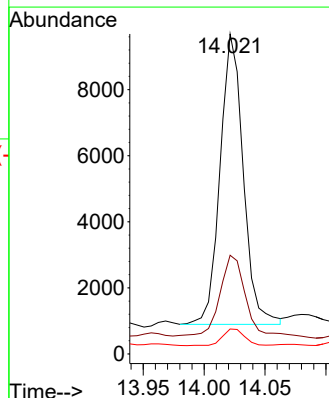
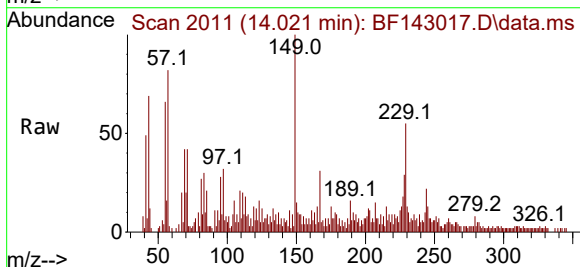
Tgt Ion:149 Resp: 11643

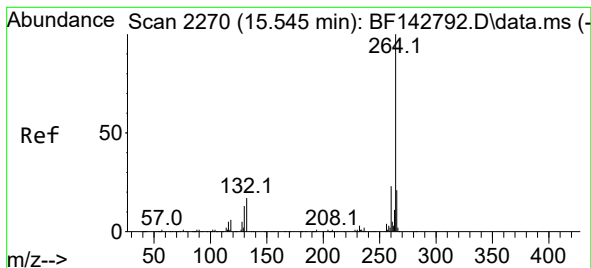
Ion Ratio Lower Upper

149 100

167 30.8 21.4 32.0

279 7.8 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

SU-04-7.3-2025

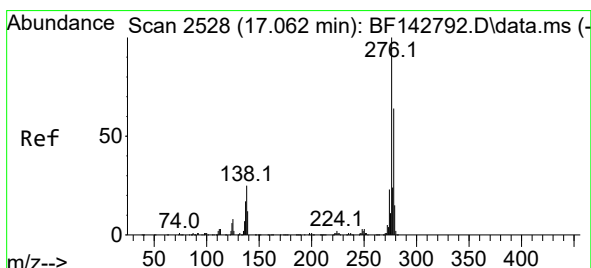
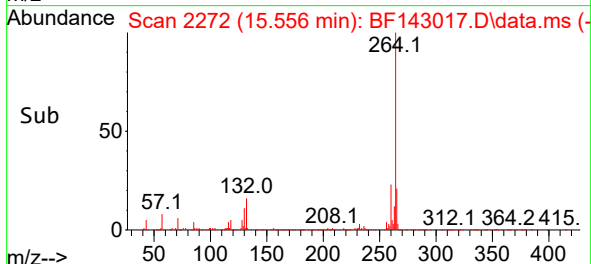
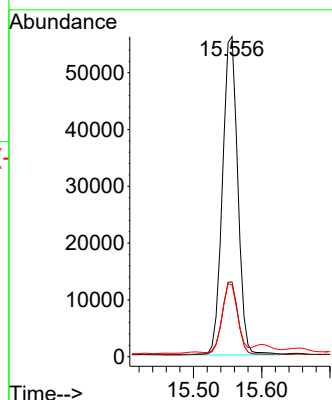
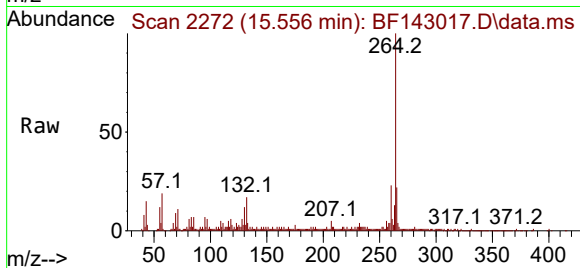
Tgt Ion:264 Resp: 87836

Ion Ratio Lower Upper

264 100

260 23.3 18.1 27.1

265 22.4 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.216 ng

RT: 17.068 min Scan# 2529

Delta R.T. 0.006 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

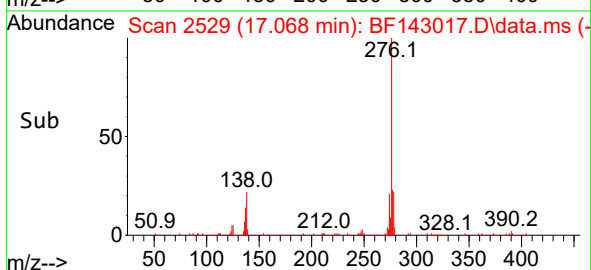
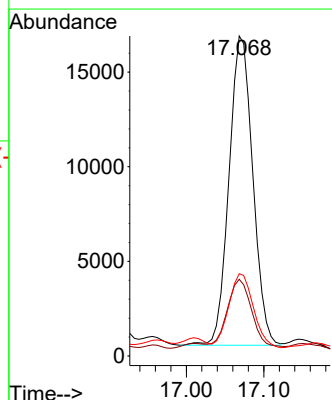
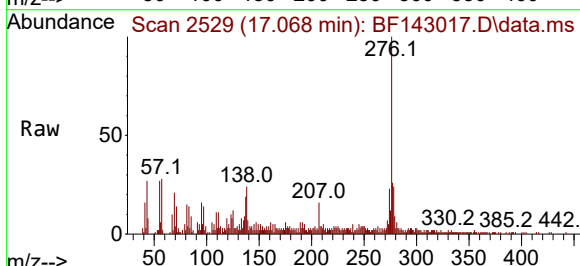
Tgt Ion:276 Resp: 34898

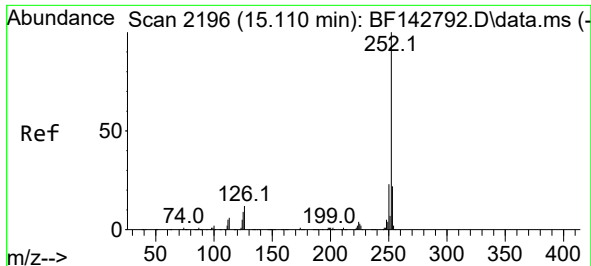
Ion Ratio Lower Upper

276 100

138 22.1 20.2 30.4

277 24.8 19.8 29.6

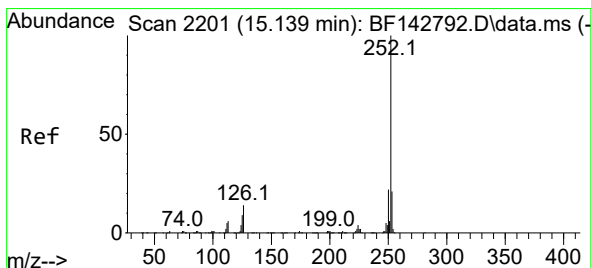
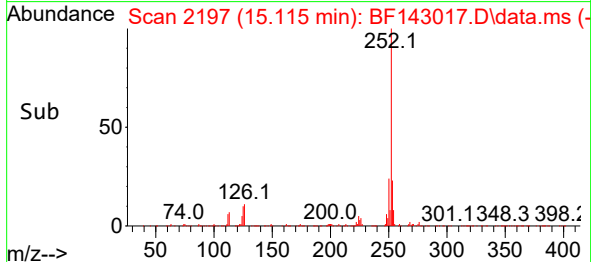
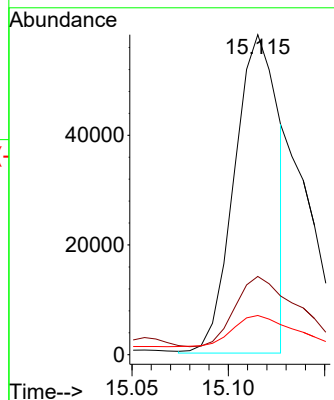
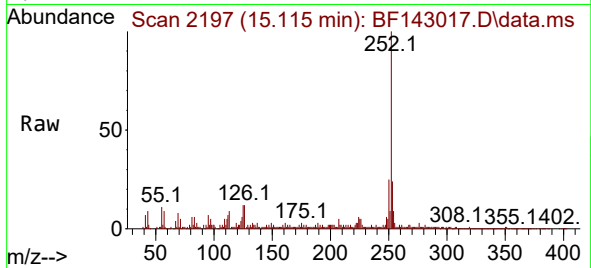




#88
Benzo(b)fluoranthene
Concen: 18.123 ng m
RT: 15.115 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

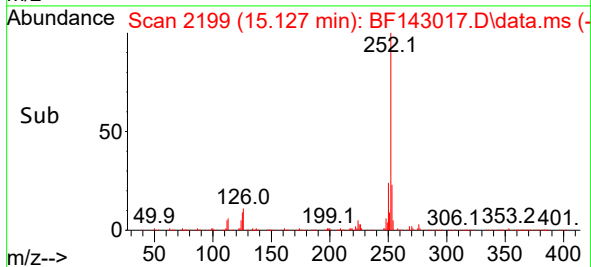
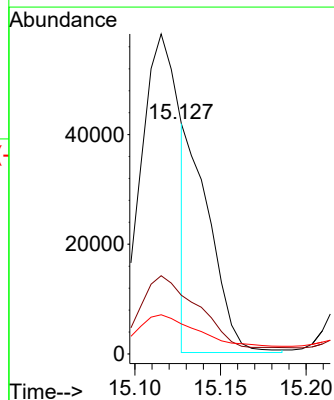
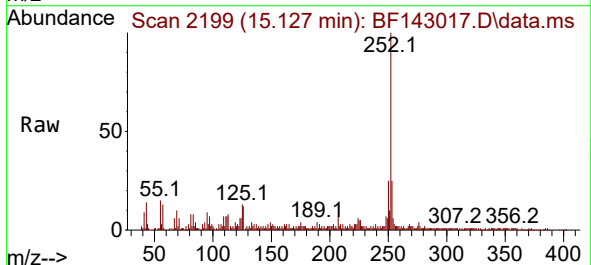
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

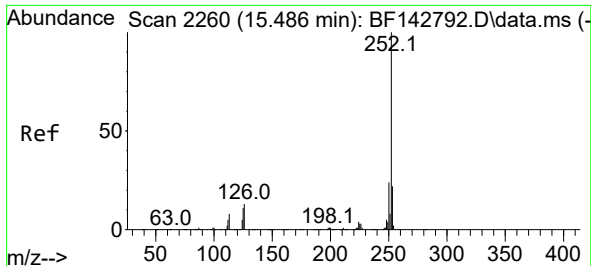
Tgt Ion:252 Resp: 92113
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 12.3 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 8.341 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

Tgt Ion:252 Resp: 39662
Ion Ratio Lower Upper
252 100
253 25.5 17.2 25.8
125 13.0 7.4 11.2#

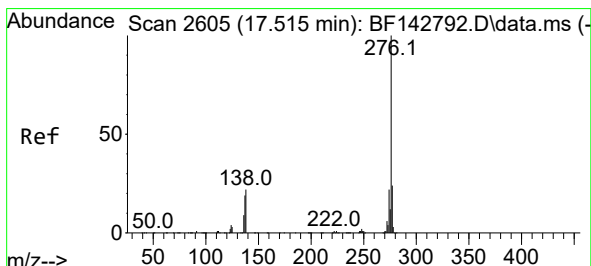
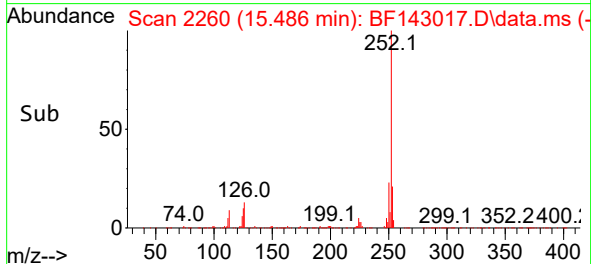
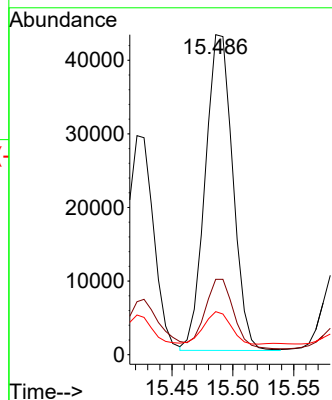
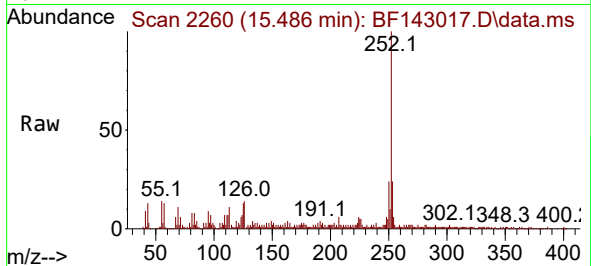




#90
Benzo(a)pyrene
Concen: 13.804 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

Tgt Ion:252 Resp: 67779
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 13.4 8.6 12.8#



#92
Benzo(g,h,i)perylene
Concen: 5.835 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.018 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

Tgt Ion:276 Resp: 31627
Ion Ratio Lower Upper
276 100
277 27.7 18.8 28.2
138 22.8 17.6 26.4

