

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)

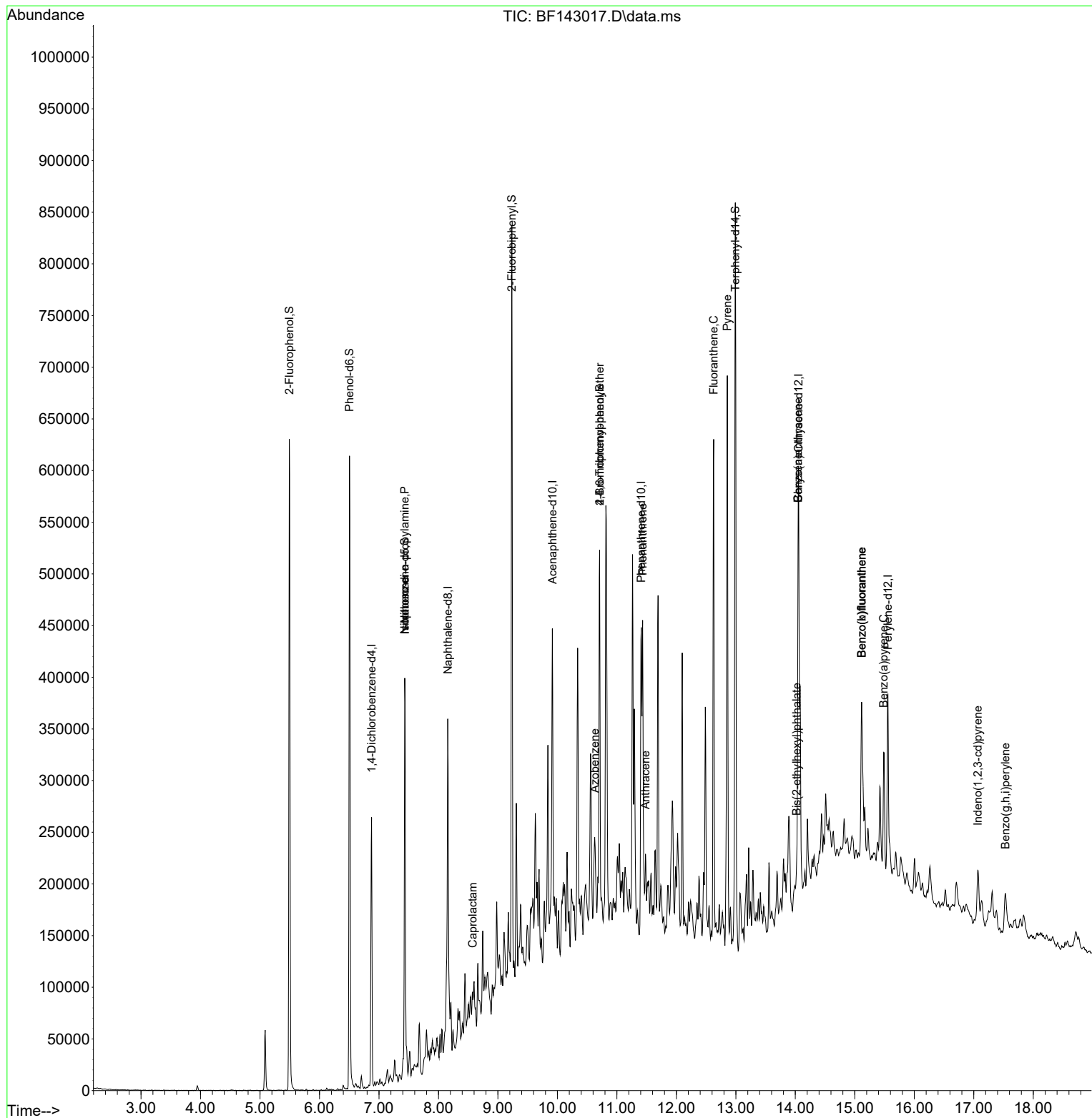
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	57682	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	188930	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	85733	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	148052	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122908	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.433	70	24214	10.186	ng	# 76
25) Isophorone	7.433	82	163759	29.637	ng	# 62
35) Caprolactam	8.575	113	1826	2.594	ng	# 1
63) Azobenzene	10.627	77	17367	3.571	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	4262	2.529	ng	# 1
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	14.045	228	131189	17.731	ng	98
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	129529	25.485	ng	# 94
89) Benzo(k)fluoranthene	15.115	252	129529	27.240	ng	# 93
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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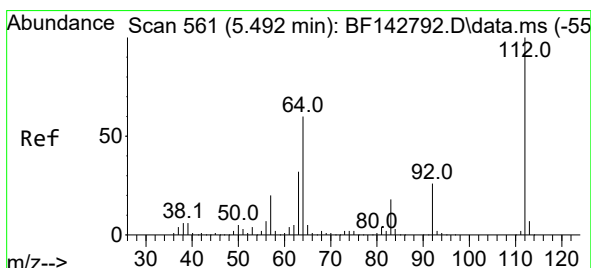
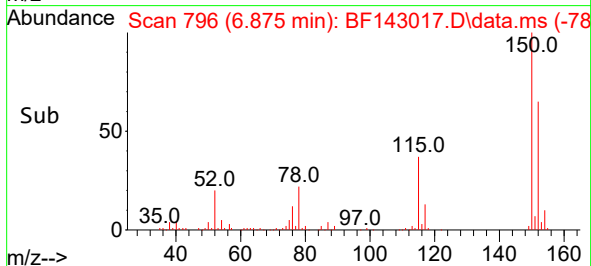
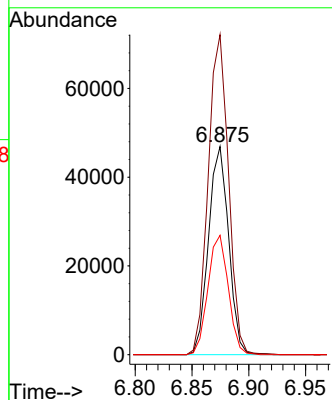
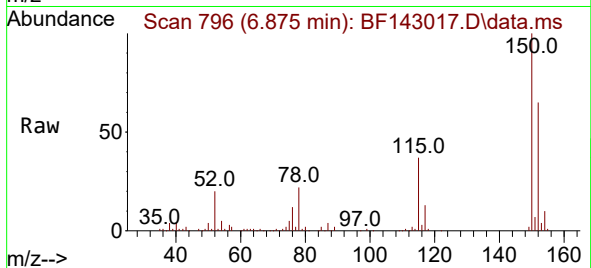




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

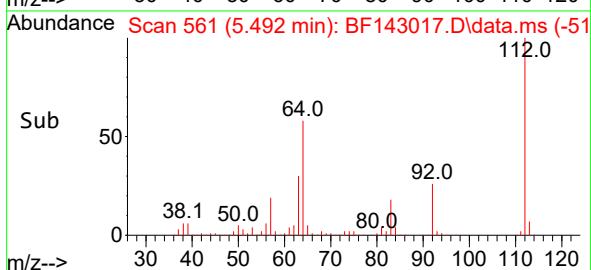
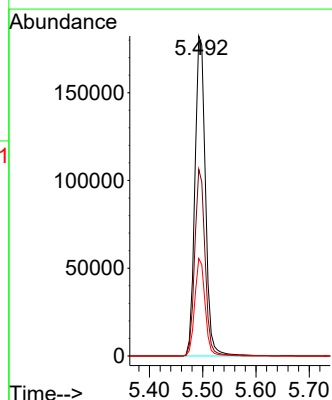
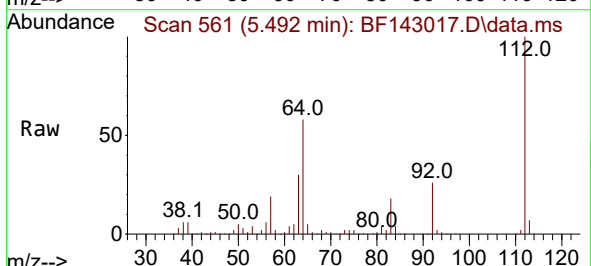
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

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

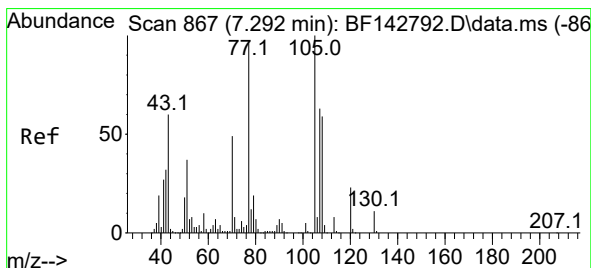
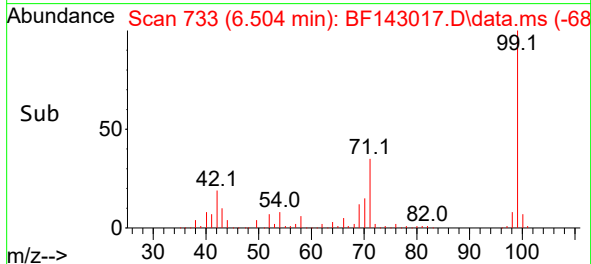
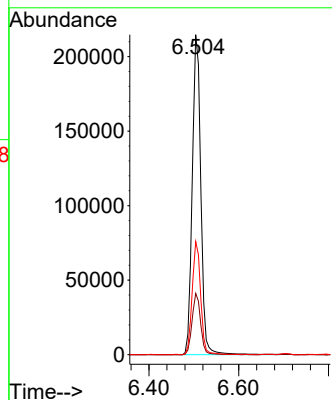
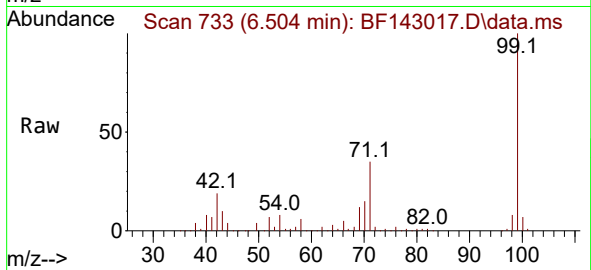




#7
Phenol-d6
Concen: 69.607 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

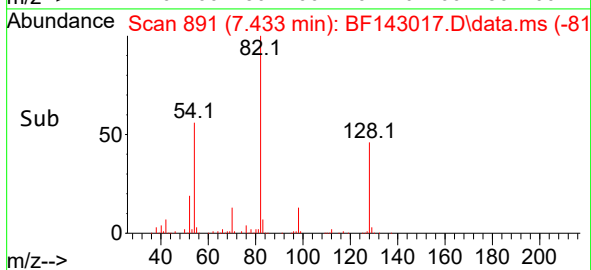
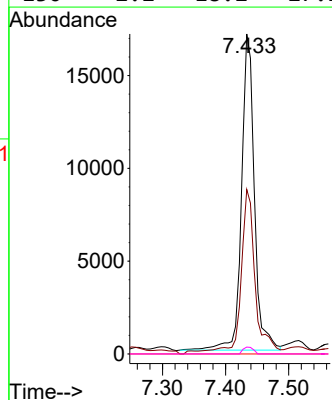
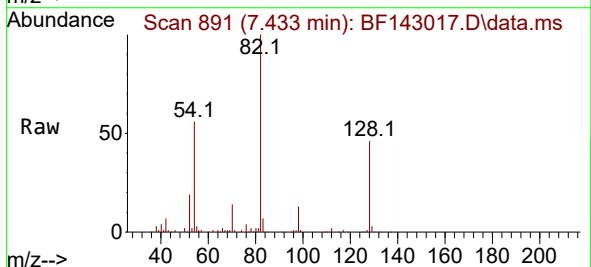
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

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



#19
n-Nitroso-di-n-propylamine
Concen: 10.186 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

Tgt Ion: 70 Resp: 24214
Ion Ratio Lower Upper
70 100
42 51.4 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

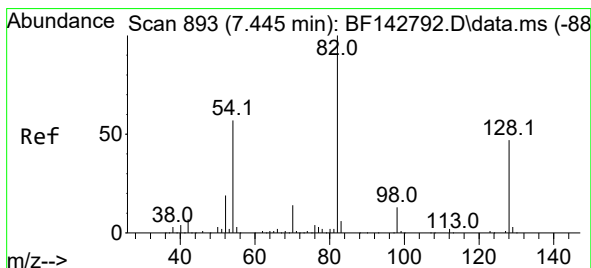
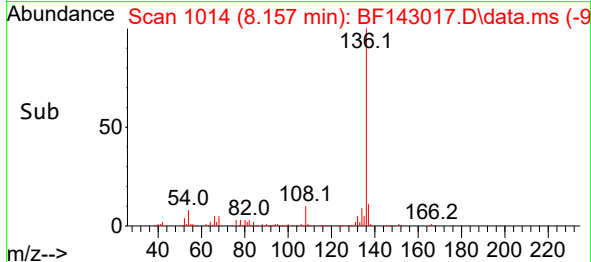
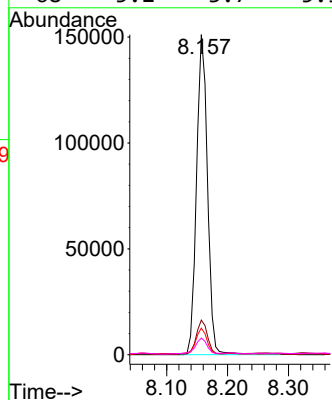
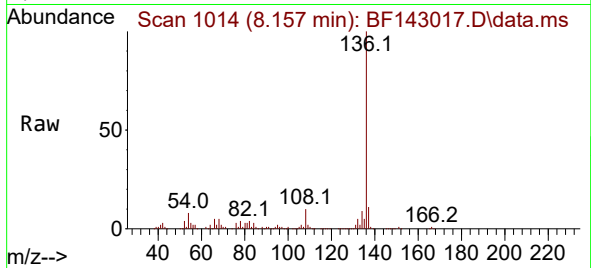




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

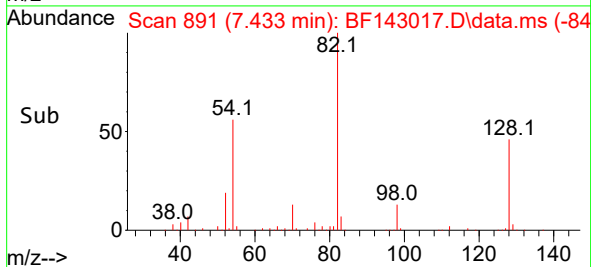
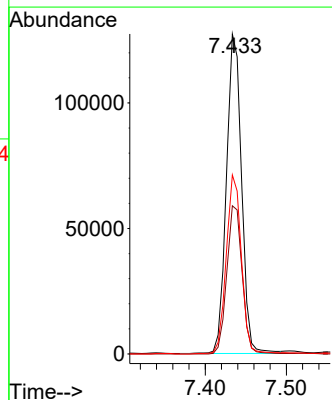
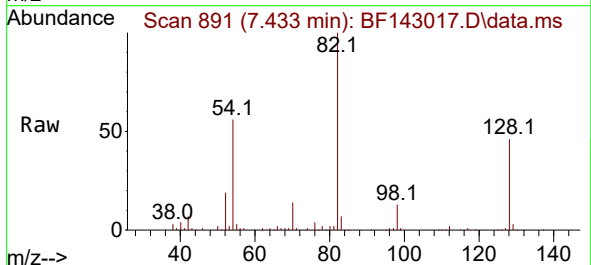
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BNA_F
ClientSampleId :
SU-04-7.3-2025

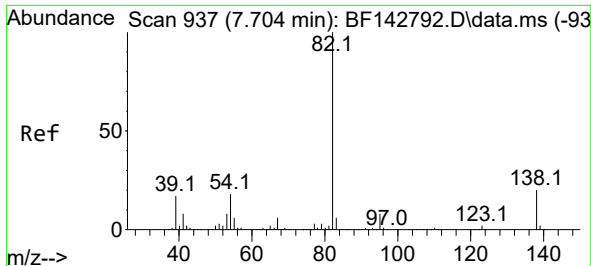
Tgt Ion:136	Resp: 188930
Ion Ratio	Lower Upper
136 100	
137 10.8	8.4 12.6
54 8.3	6.3 9.5
68 5.2	3.7 5.5



#23
Nitrobenzene-d5
Concen: 47.990 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.012 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

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

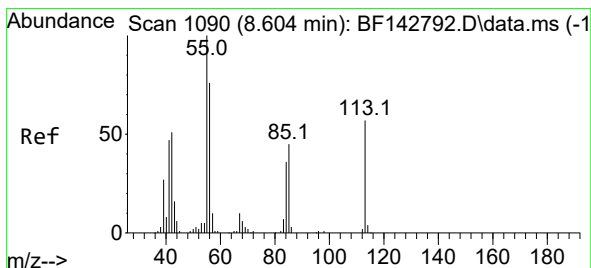
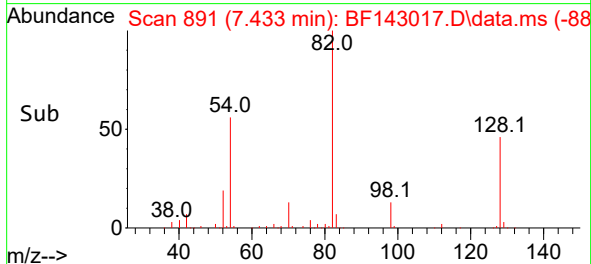
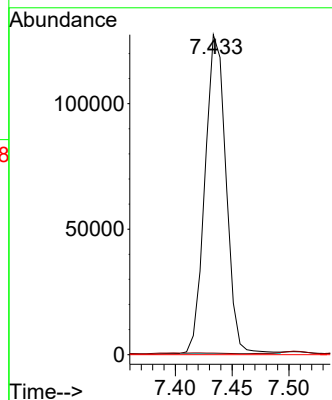
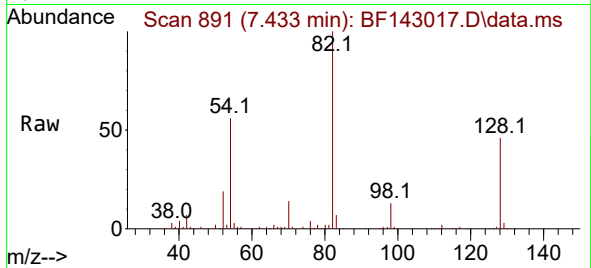




#25
Isophorone
Concen: 29.637 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

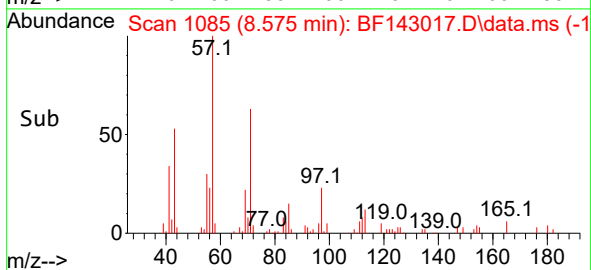
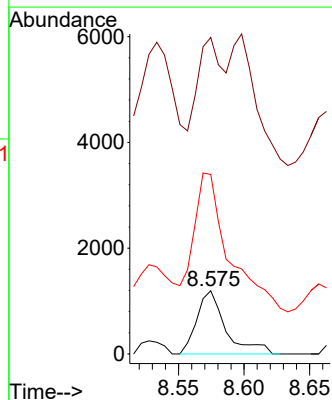
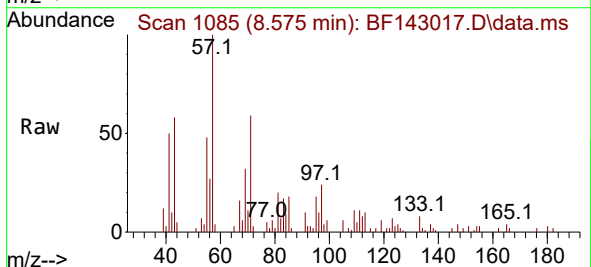
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

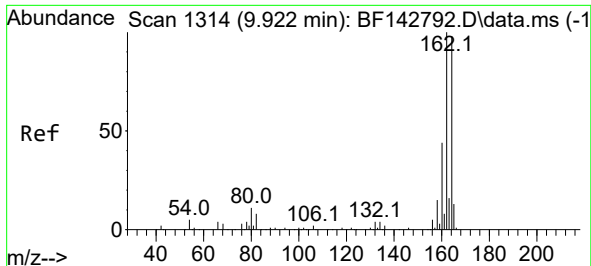
Tgt Ion: 82 Resp: 163759
Ion Ratio Lower Upper
82 100
95 0.5 6.2 9.2#
138 0.0 16.2 24.4#



#35
Caprolactam
Concen: 2.594 ng
RT: 8.575 min Scan# 1085
Delta R.T. -0.029 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

Tgt Ion: 113 Resp: 1826
Ion Ratio Lower Upper
113 100
55 500.5 154.4 194.4#
56 283.7 112.1 152.1#

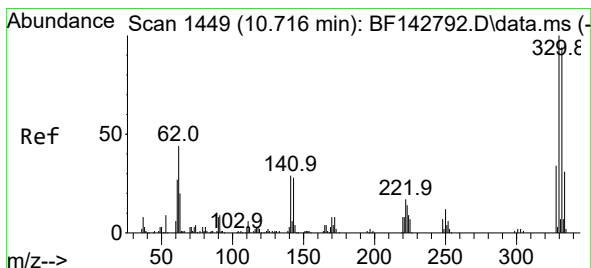
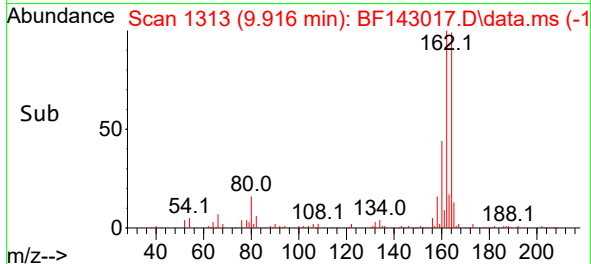
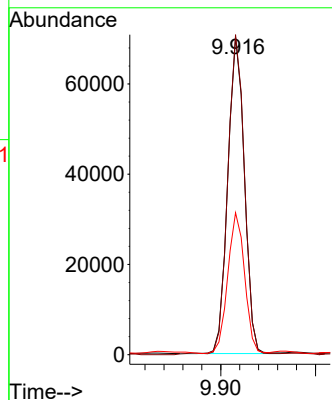
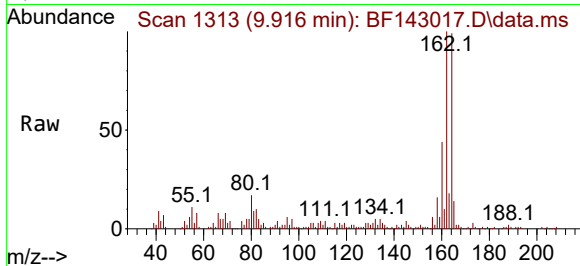




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

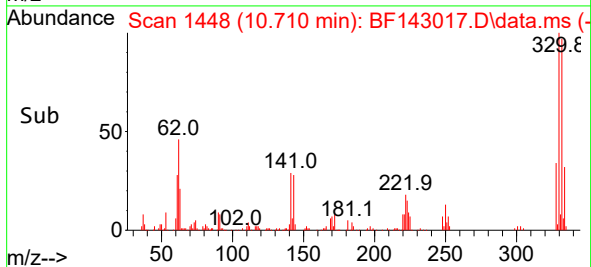
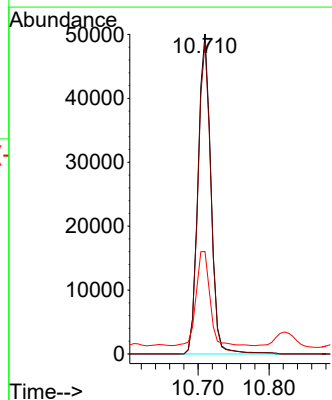
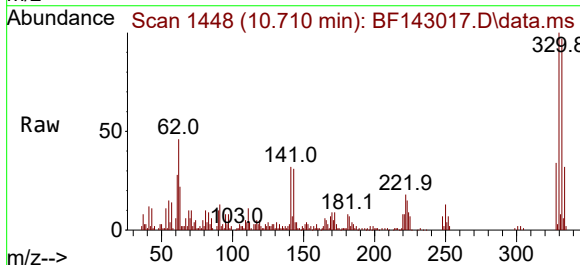
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

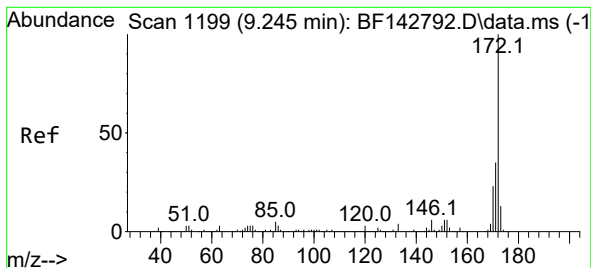
Tgt Ion:164 Resp: 85733
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 44.7 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 71.792 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

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# 1199

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

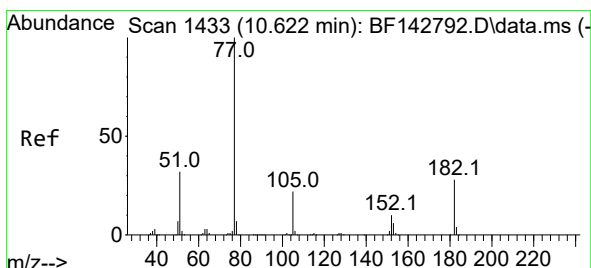
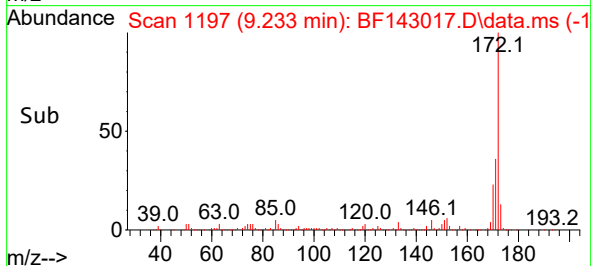
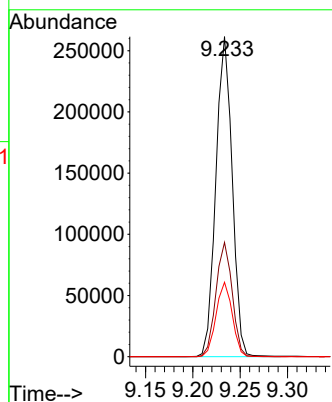
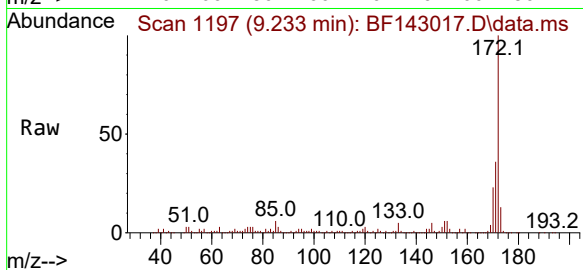
Tgt Ion:172 Resp: 314053

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.2 18.5 27.7



#63

Azobenzene

Concen: 3.571 ng

RT: 10.627 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF143017.D

Acq: 07 Jul 2025 19:21

Tgt Ion: 77 Resp: 17367

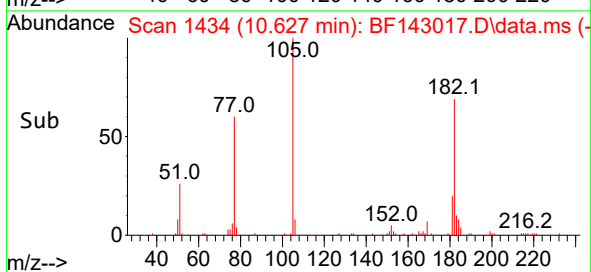
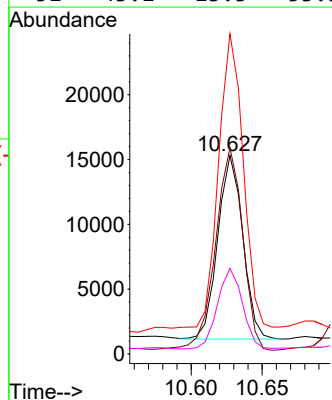
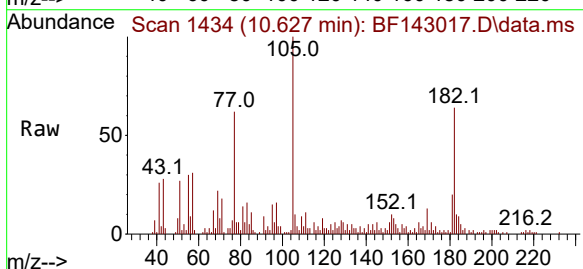
Ion Ratio Lower Upper

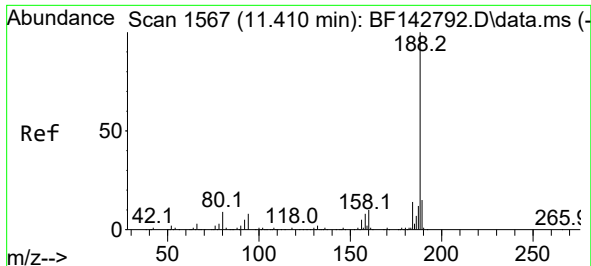
77 100

182 104.0 7.7 47.7#

105 161.2 1.9 41.9#

51 43.1 13.3 53.3

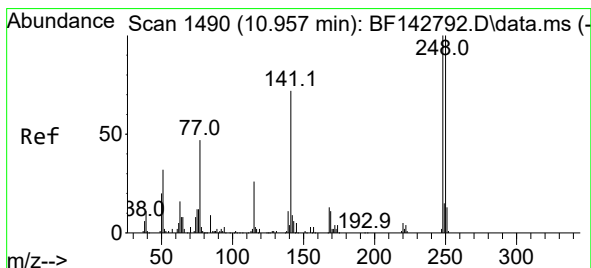
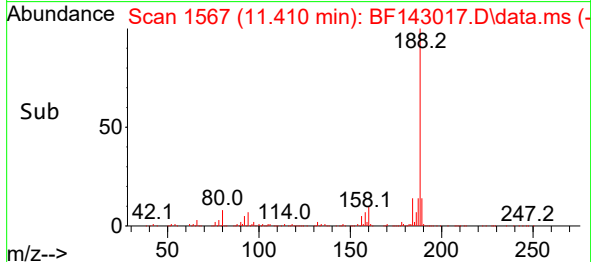
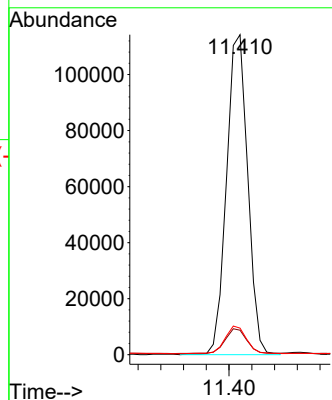
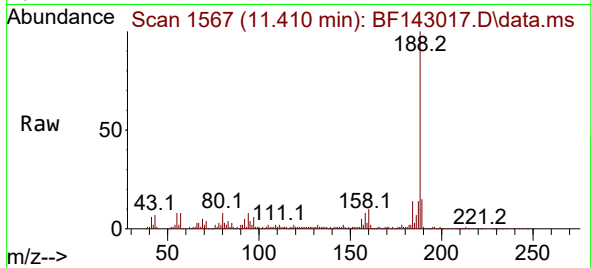




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

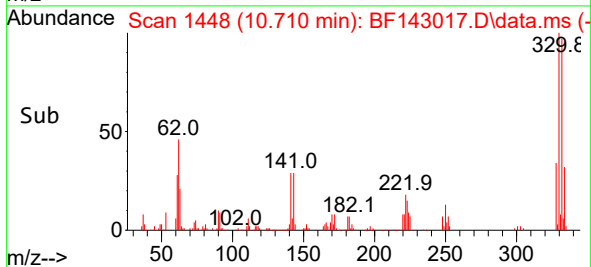
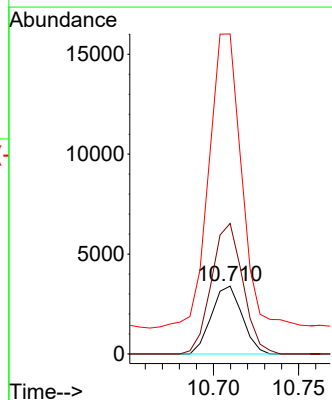
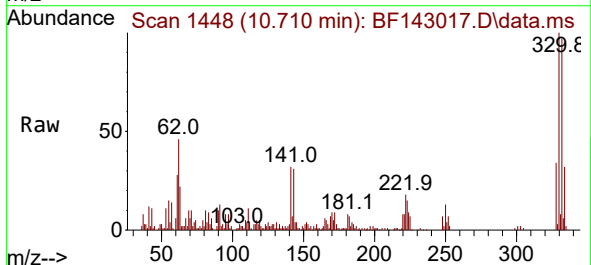
Instrument :
BNA_F
ClientSampleId :
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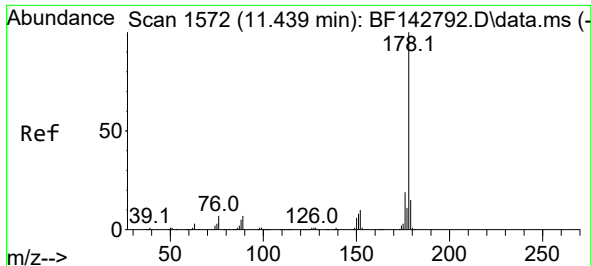
Tgt Ion:188 Resp: 148052
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.3 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 2.529 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

Tgt Ion:248 Resp: 4262
Ion Ratio Lower Upper
248 100
250 192.4 79.8 119.8#
141 471.8 57.8 86.6#

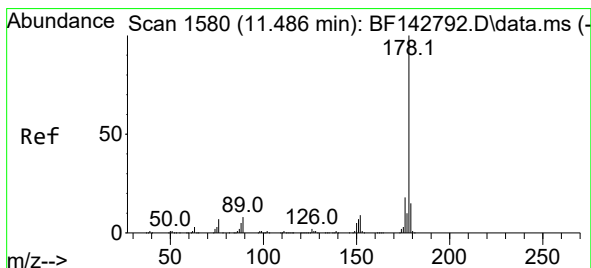
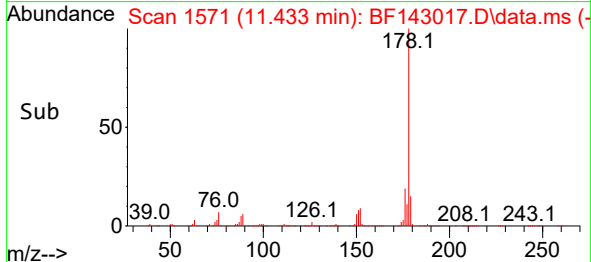
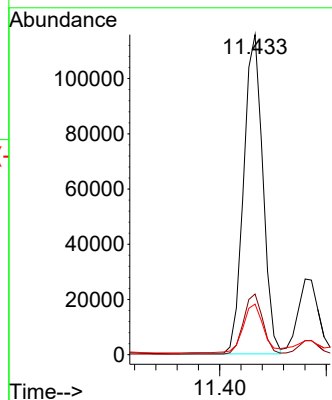
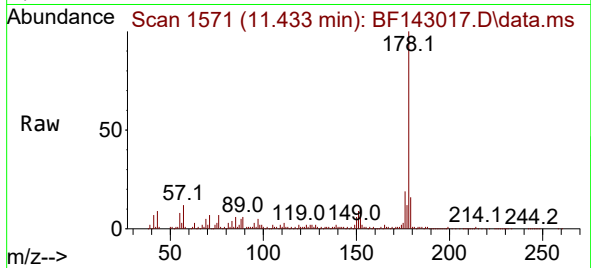




#71
Phenanthrene
Concen: 18.053 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

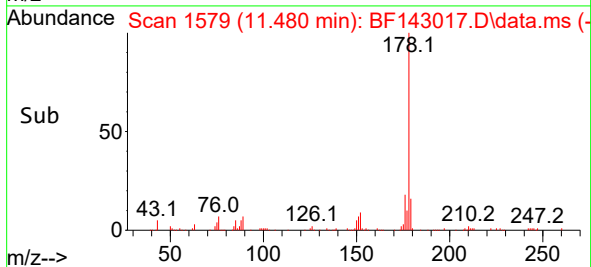
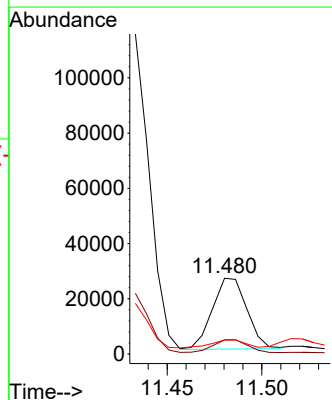
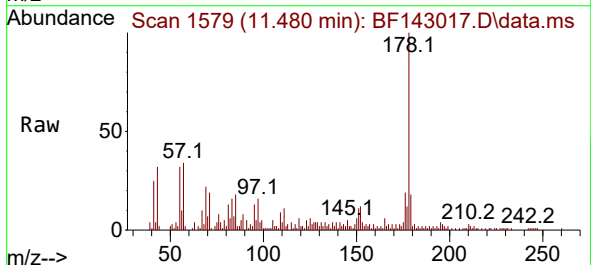
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

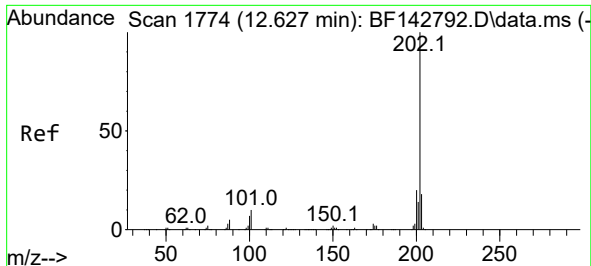
Tgt Ion:178 Resp: 144788
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.8 12.0 18.0



#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

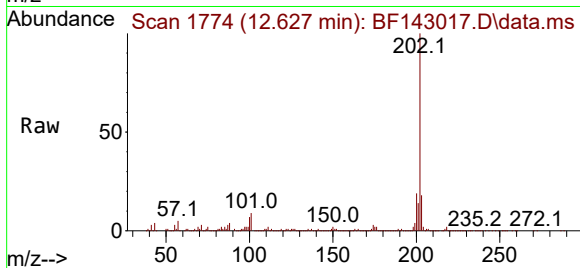
Tgt Ion:178 Resp: 32656
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 18.5 12.4 18.6



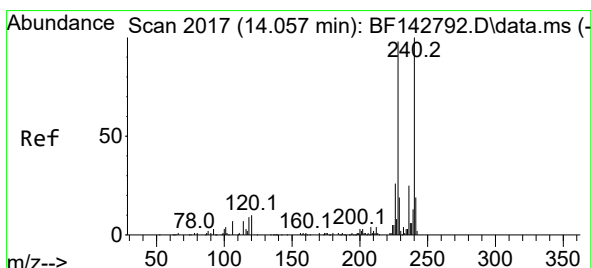
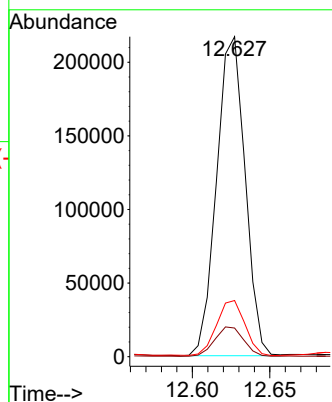
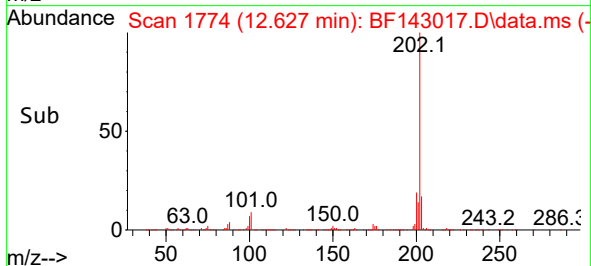


#75
Fluoranthene
Concen: 36.412 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

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

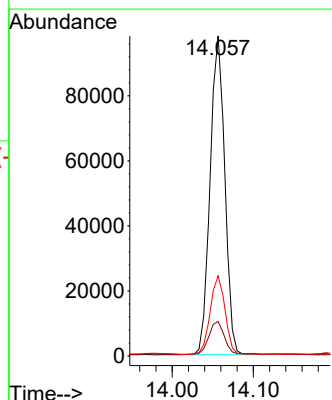
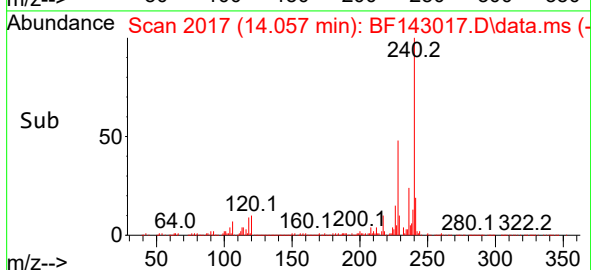
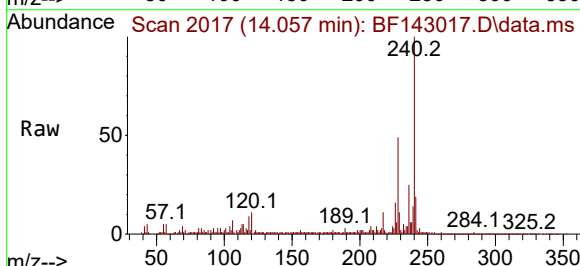


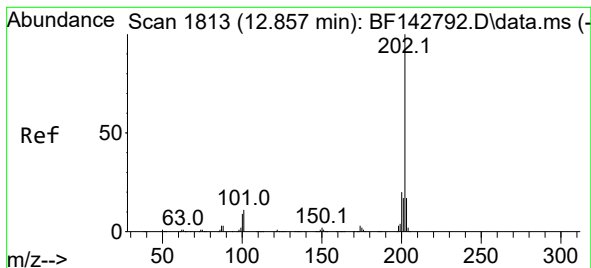
Tgt Ion:202 Resp: 277143
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 17.5 0.0 37.5



#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

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

Instrument :

BNA_F

ClientSampleId :

SU-04-7.3-2025

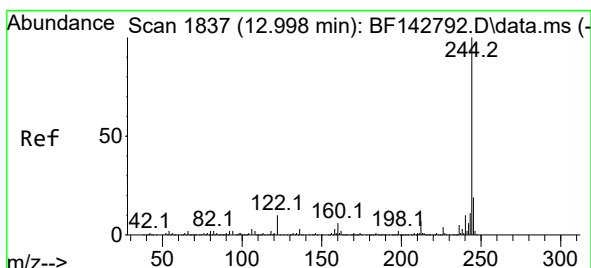
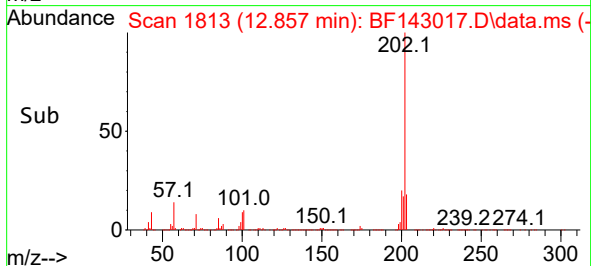
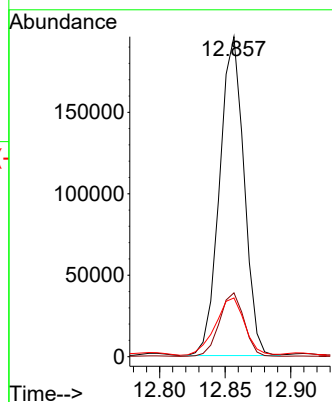
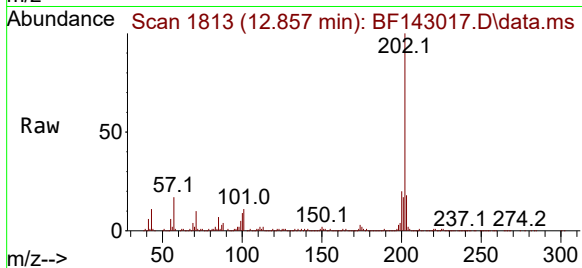
Tgt Ion:202 Resp: 253514

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

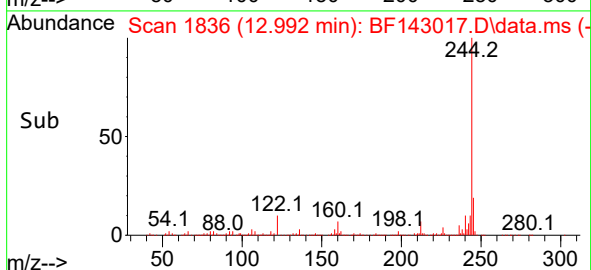
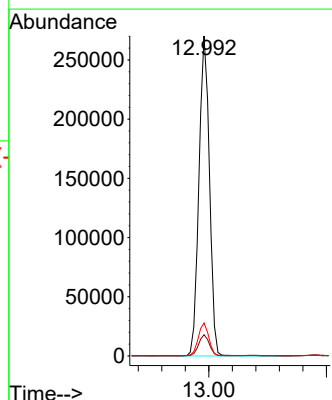
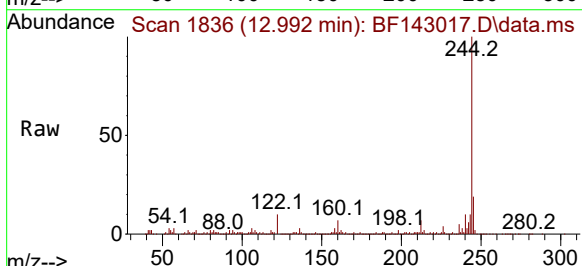
Tgt Ion:244 Resp: 335371

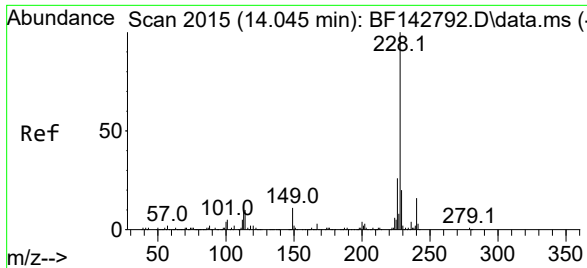
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.3 8.2 12.2

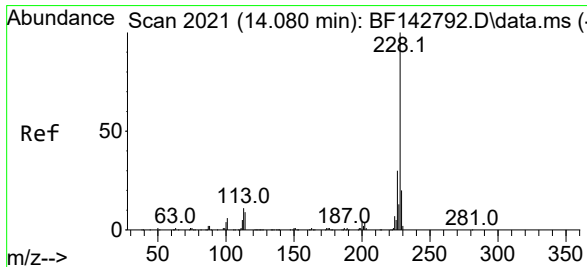
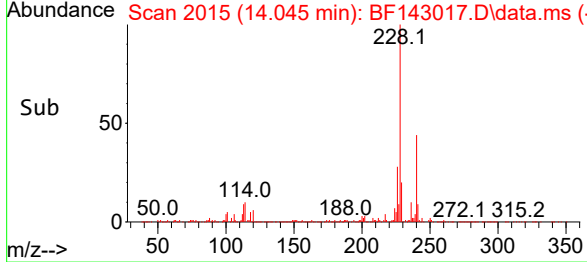
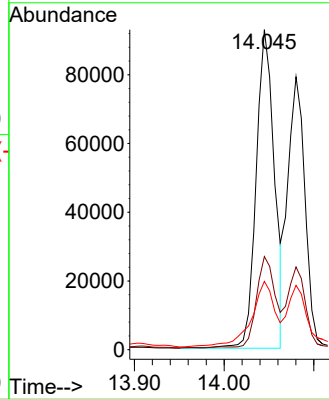
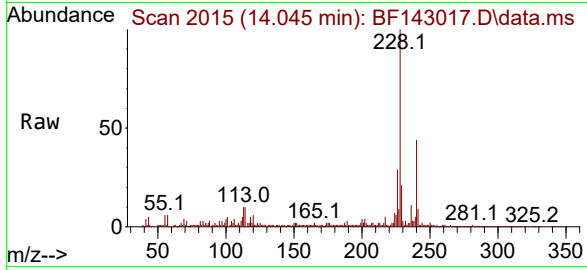




#81
Benzo(a)anthracene
Concen: 15.822 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

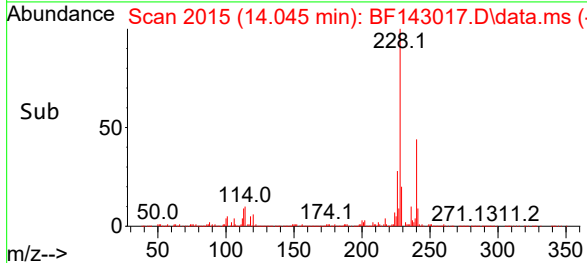
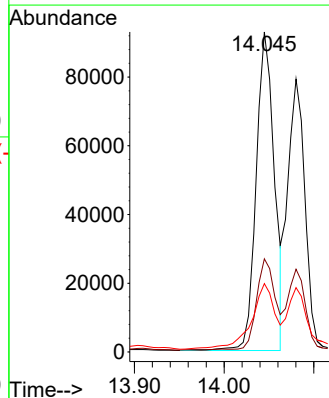
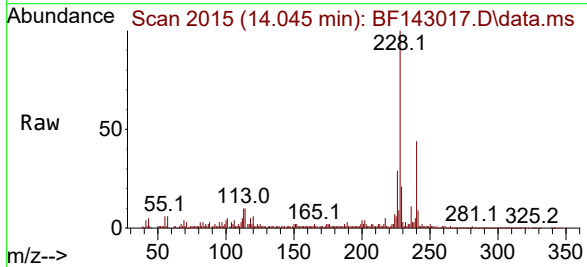
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

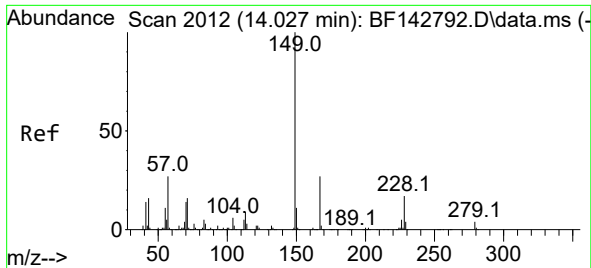
Tgt Ion:228 Resp: 131189
Ion Ratio Lower Upper
228 100
226 29.1 21.2 31.8
229 21.4 15.6 23.4



#83
Chrysene
Concen: 17.731 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.035 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 23.7 35.5
229 21.4 15.7 23.5

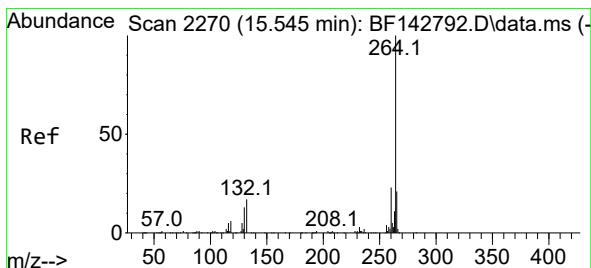
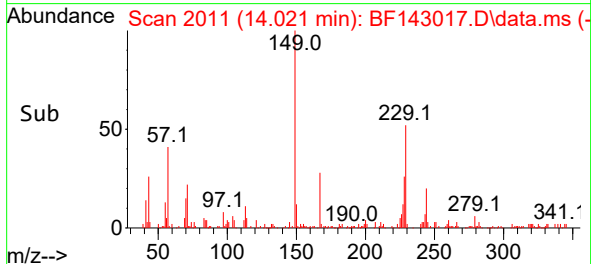
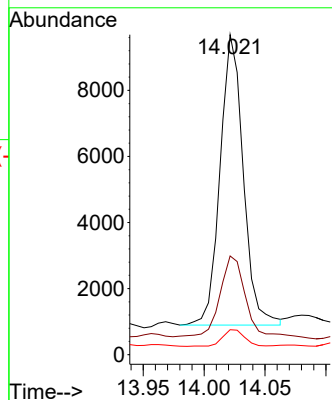
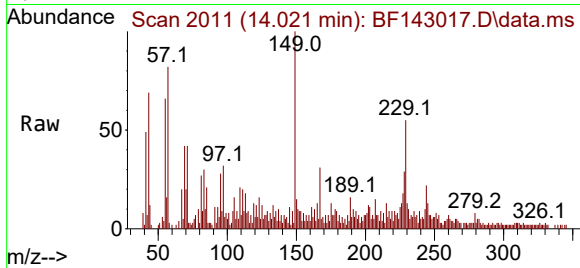




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.422 ng
 RT: 14.021 min Scan# 2012
 Delta R.T. -0.006 min
 Lab File: BF143017.D
 Acq: 07 Jul 2025 19:21

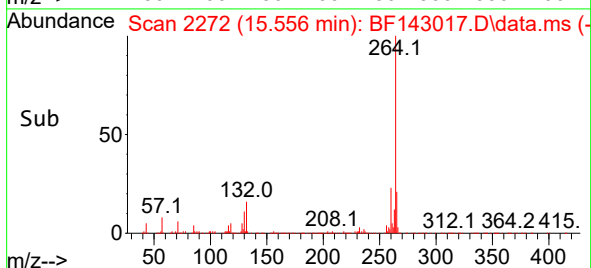
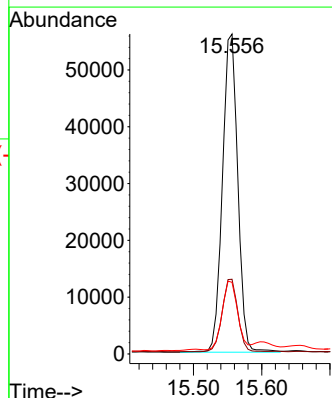
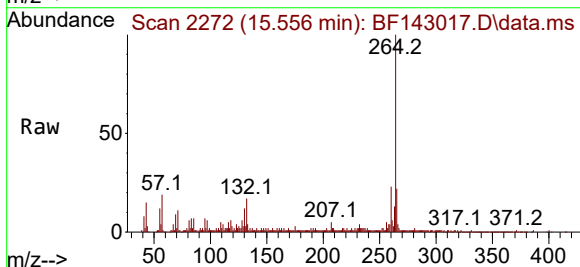
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-7.3-2025

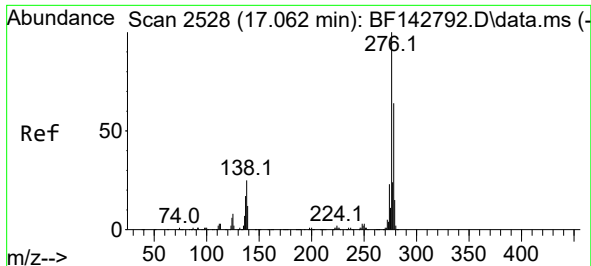
Tgt Ion:149 Resp: 11643
 Ion Ratio Lower Upper
 149 100
 167 30.8 21.4 32.0
 279 7.8 3.0 4.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.556 min Scan# 2272
 Delta R.T. 0.012 min
 Lab File: BF143017.D
 Acq: 07 Jul 2025 19:21

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

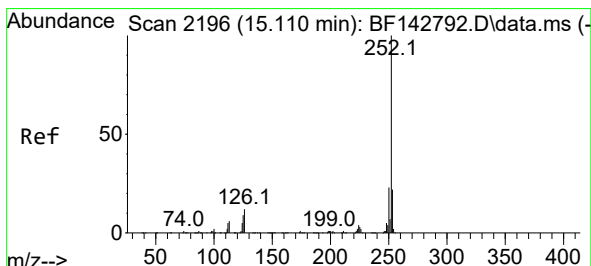
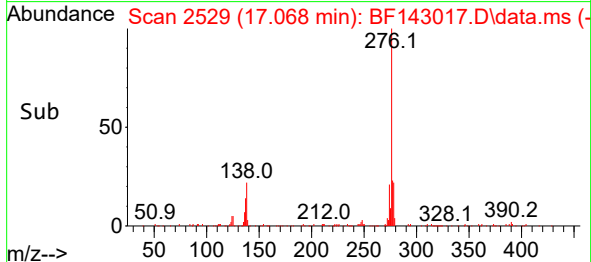
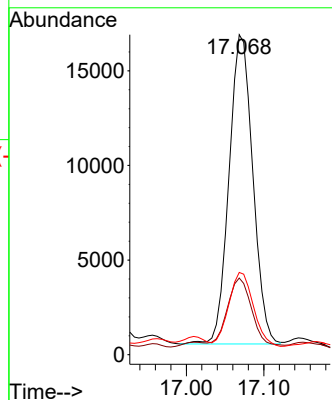
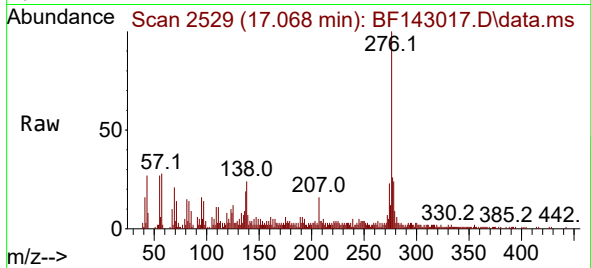




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.216 ng
RT: 17.068 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

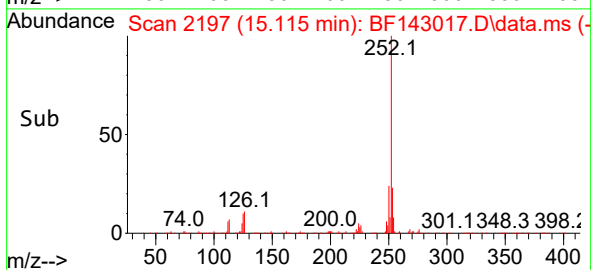
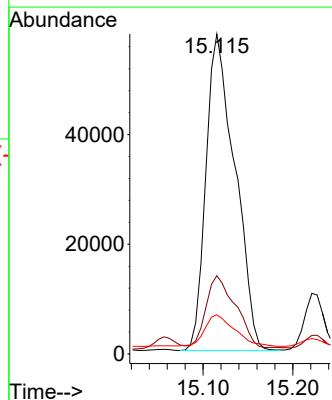
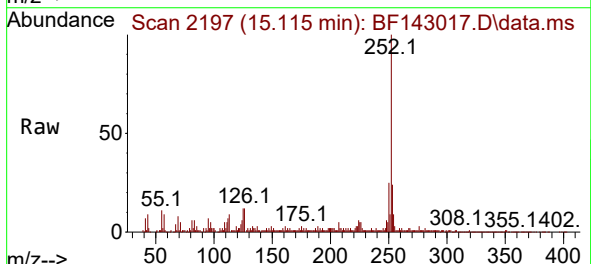
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

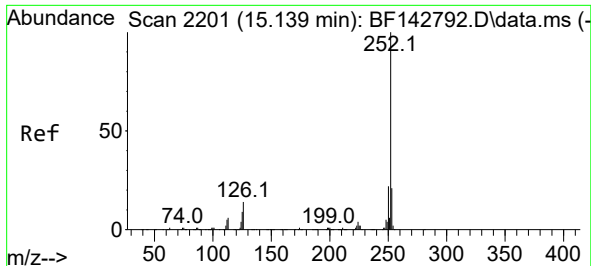
Tgt Ion:276 Resp: 34898
Ion Ratio Lower Upper
276 100
138 22.1 20.2 30.4
277 24.8 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 25.485 ng
RT: 15.115 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

Tgt Ion:252 Resp: 129529
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 12.3 7.4 11.0#

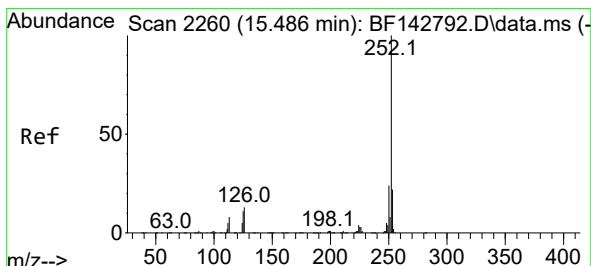
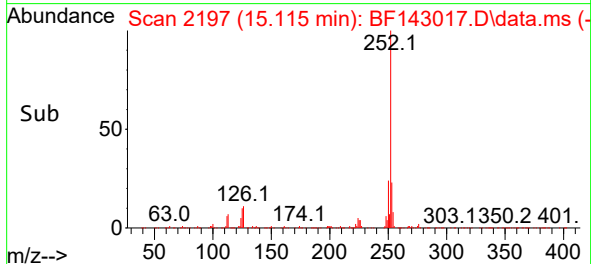
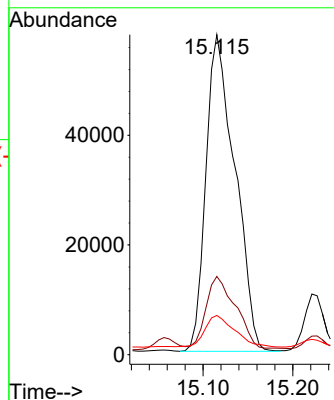
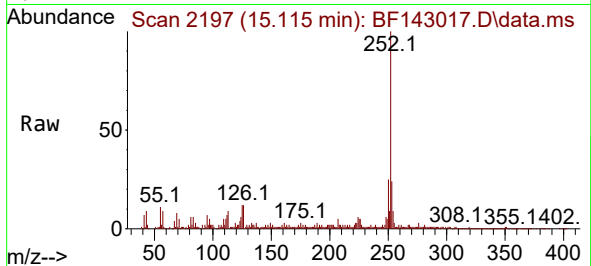




#89
Benzo(k)fluoranthene
Concen: 27.240 ng
RT: 15.115 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

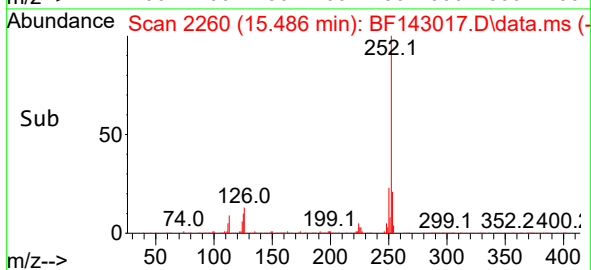
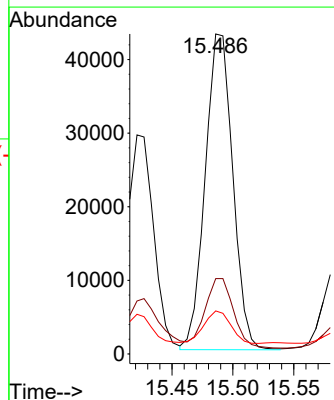
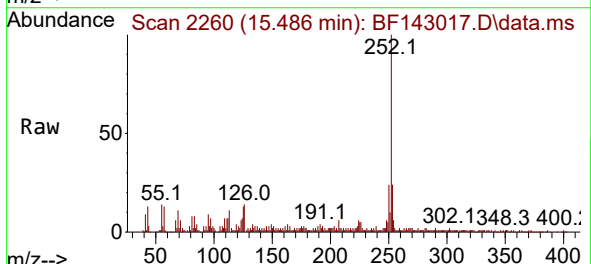
Instrument :
BNA_F
ClientSampleId :
SU-04-7.3-2025

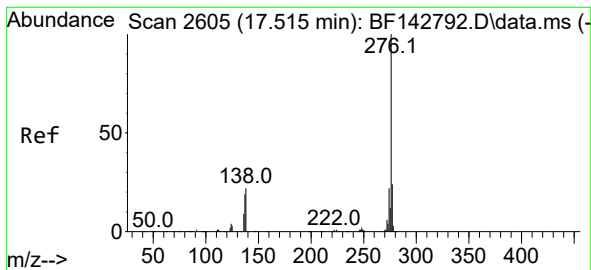
Tgt Ion:252 Resp: 129529
Ion Ratio Lower Upper
252 100
253 24.5 17.2 25.8
125 12.3 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 13.804 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF143017.D
Acq: 07 Jul 2025 19:21

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# 20

Delta R.T. 0.018 min

Lab File: BF143017.D

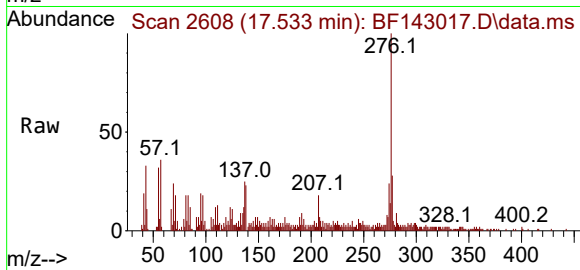
Acq: 07 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

SU-04-7.3-2025



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

