

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
 Data File : BF143895.D
 Acq On : 08 Oct 2025 15:11
 Operator : RC/JU
 Sample : Q3303-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HL-EAST

Quant Time: Oct 08 15:31:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

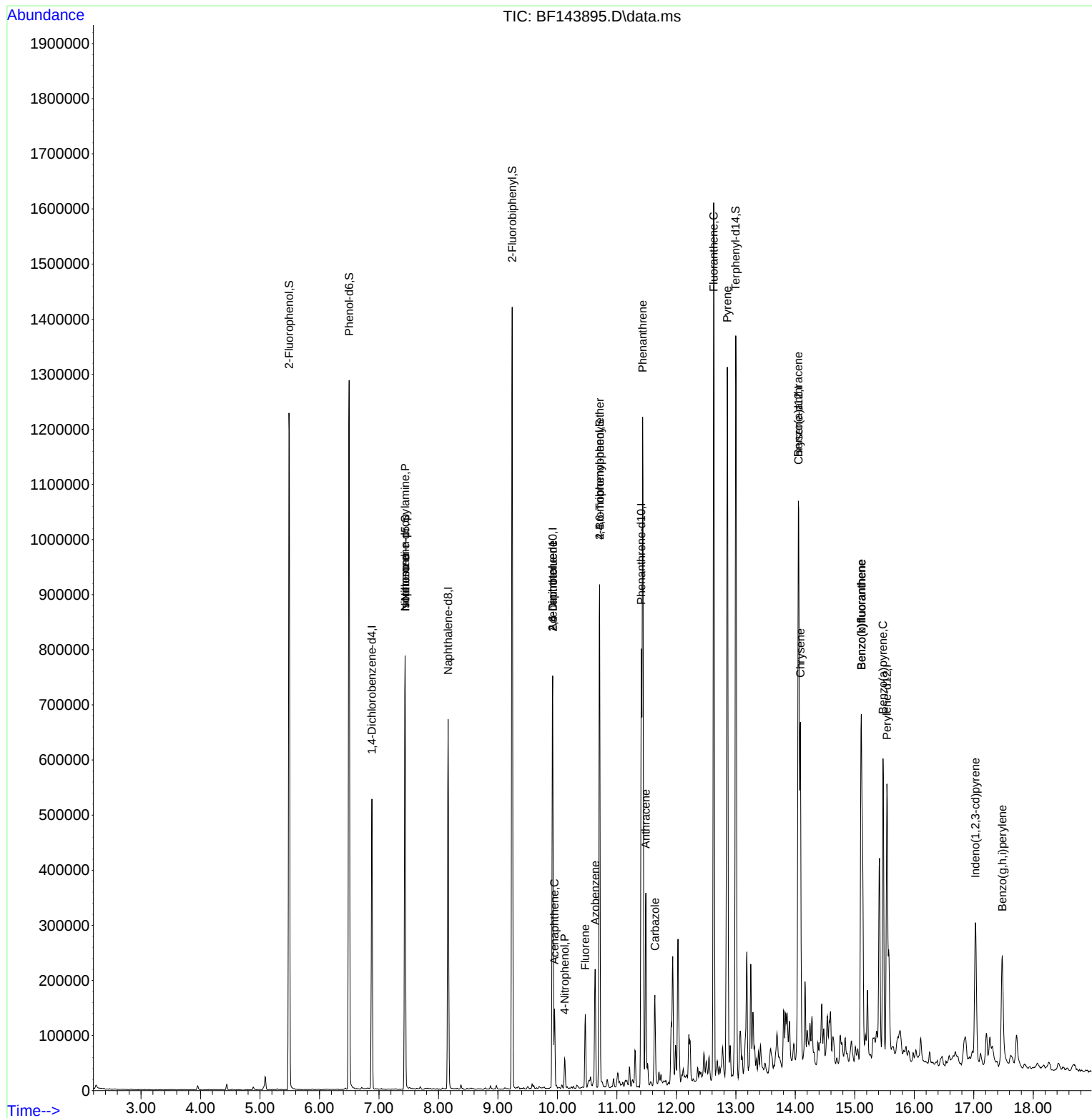
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	100666	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	399537	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	224893	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	409675	20.000	ng	0.00
76) Chrysene-d12	14.057	240	236435	20.000	ng	-0.01
86) Perylene-d12	15.539	264	301845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	475538	75.015	ng	-0.01
7) Phenol-d6	6.498	99	565922	74.896	ng	-0.02
23) Nitrobenzene-d5	7.439	82	328329	49.927	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	160854	71.810	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	643537	45.405	ng	-0.01
79) Terphenyl-d14	12.998	244	678847	49.071	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	47606	9.204	ng	# 78
25) Isophorone	7.439	82	259761	18.733	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	29463	11.125	ng	# 26
52) Acenaphthene	9.951	154	41148	3.598	ng	94
56) 4-Nitrophenol	10.122	139	9259	3.771	ng	# 11
57) 2,4-Dinitrotoluene	9.922	165	29463	8.177	ng	# 27
58) Fluorene	10.469	166	51950	4.265	ng	100
63) Azobenzene	10.633	77	48469	3.495	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10091	2.229	ng	# 1
71) Phenanthrene	11.433	178	652870	32.872	ng	99
72) Anthracene	11.486	178	197737	9.855	ng	99
73) Carbazole	11.639	167	85976	4.838	ng	99
75) Fluoranthene	12.627	202	946460	46.135	ng	99
78) Pyrene	12.857	202	773693	39.251	ng	97
81) Benzo(a)anthracene	14.051	228	411325	26.584	ng	99
83) Chrysene	14.086	228	311910	21.781	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	202775	10.964	ng	97
88) Benzo(b)fluoranthene	15.110	252	599098	34.552	ng	98
89) Benzo(k)fluoranthene	15.110	252	599098	37.341	ng	98
90) Benzo(a)pyrene	15.474	252	330804	22.003	ng	97
92) Benzo(g,h,i)perylene	17.480	276	180915	12.162	ng	98

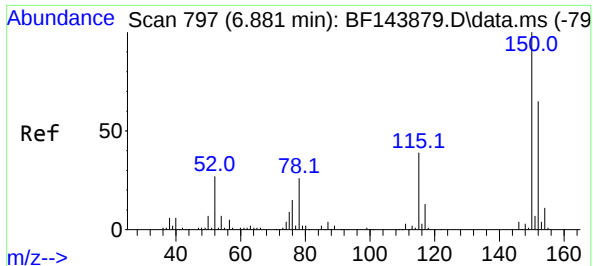
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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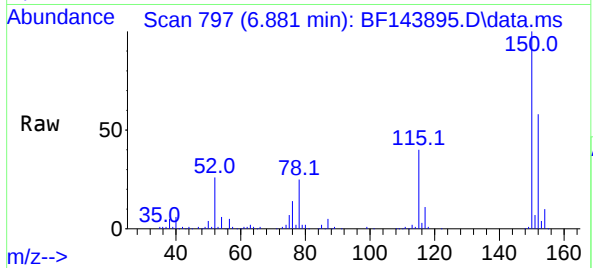
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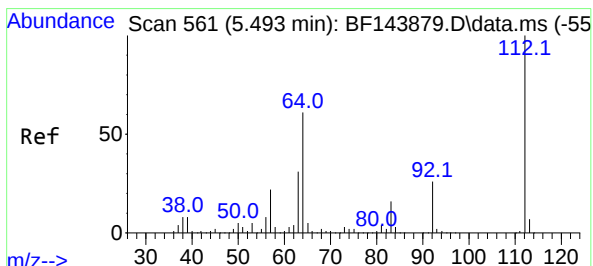
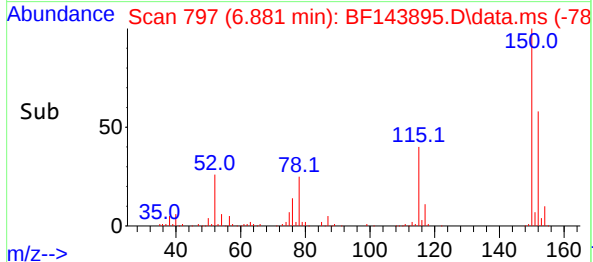
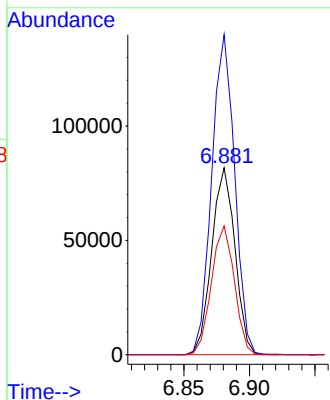


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Instrument :
BNA_F
ClientSampleId :
HL-EAST

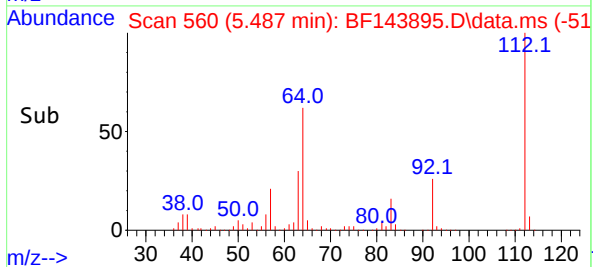
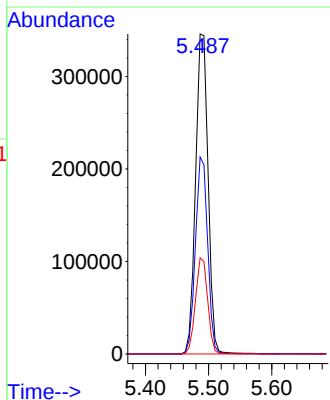
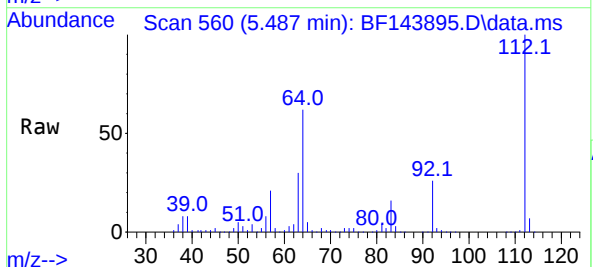


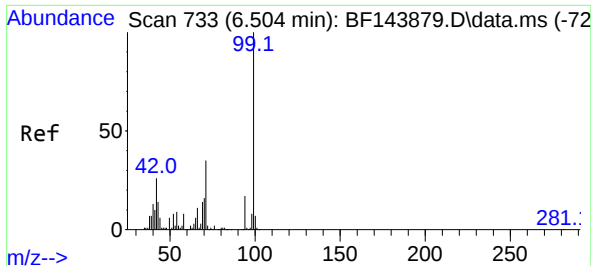
Tgt Ion:152 Resp: 100666
Ion Ratio Lower Upper
152 100
150 171.2 124.4 186.6
115 69.0 48.1 72.1



#5
2-Fluorophenol
Concen: 75.015 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:112 Resp: 475538
Ion Ratio Lower Upper
112 100
64 61.6 49.1 73.7
63 30.1 24.5 36.7

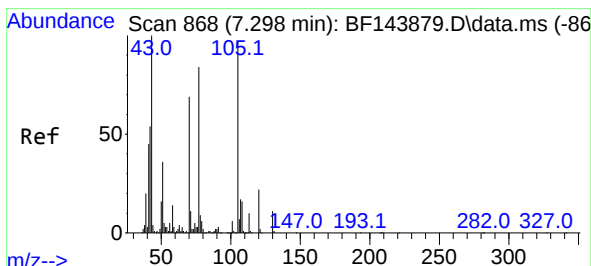
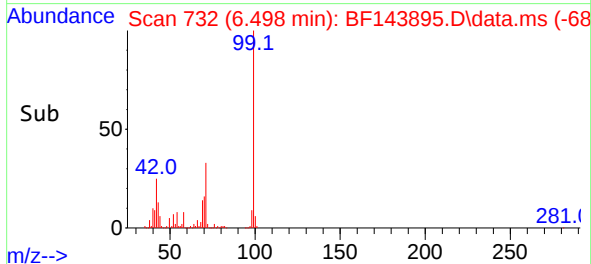
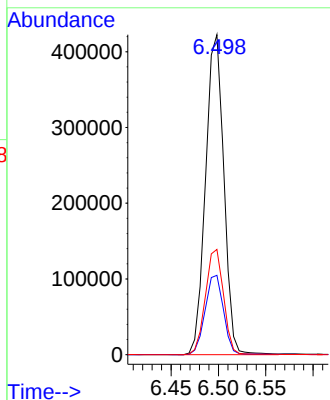
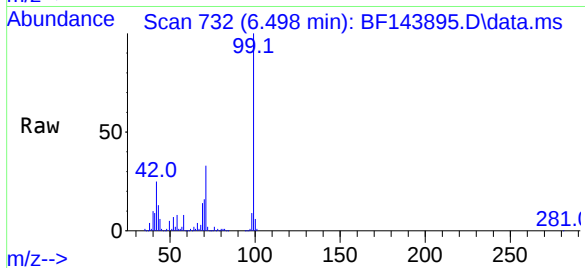




#7
Phenol-d6
Concen: 74.896 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

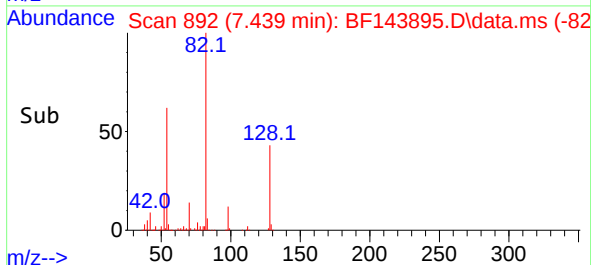
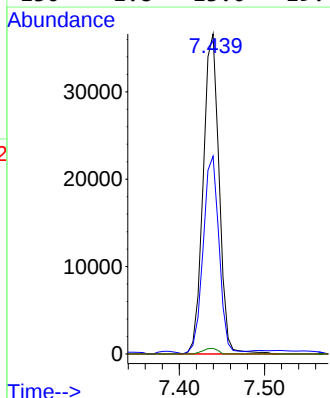
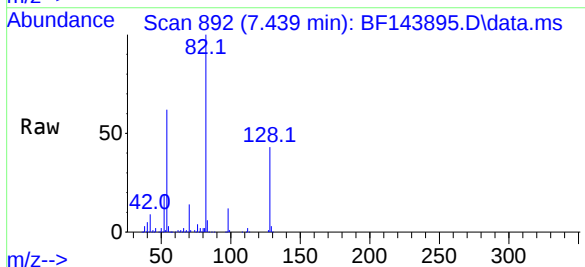
Instrument :
BNA_F
ClientSampleId :
HL-EAST

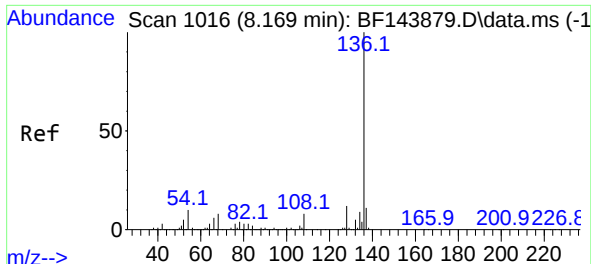
Tgt Ion: 99 Resp: 565922
Ion Ratio Lower Upper
99 100
42 24.8 21.0 31.4
71 32.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.204 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion: 70 Resp: 47606
Ion Ratio Lower Upper
70 100
42 61.8 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#



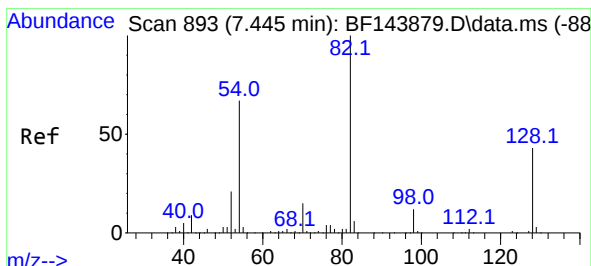
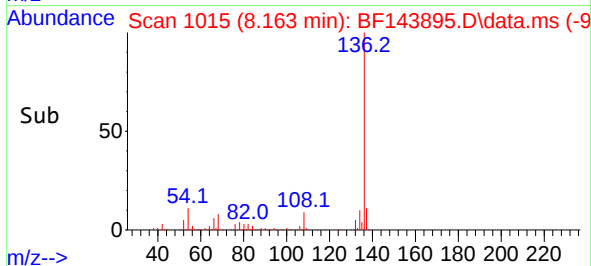
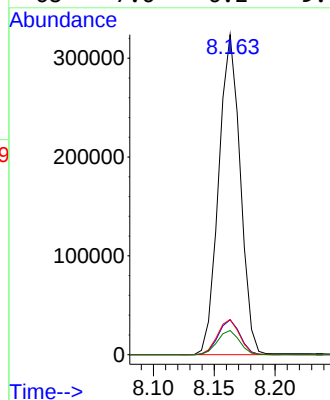
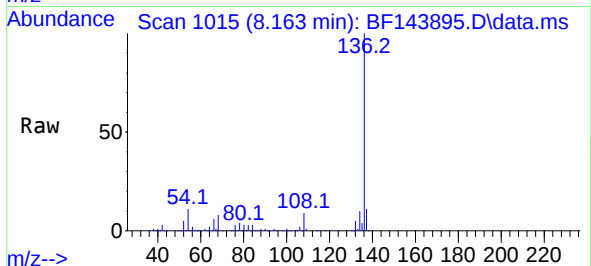


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Instrument :
BNA_F
ClientSampleId :
HL-EAST

Tgt Ion:136 Resp: 399537

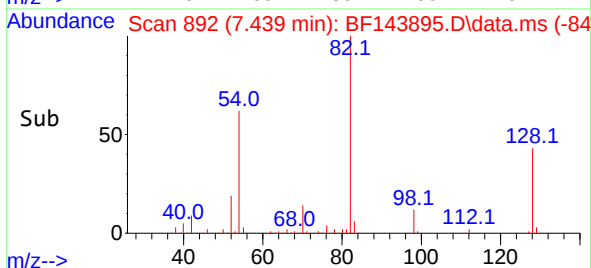
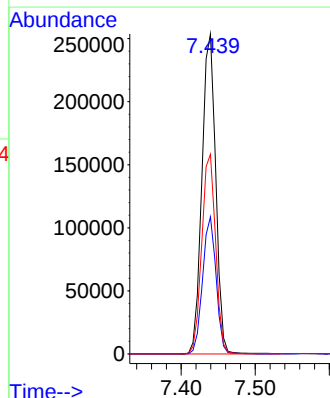
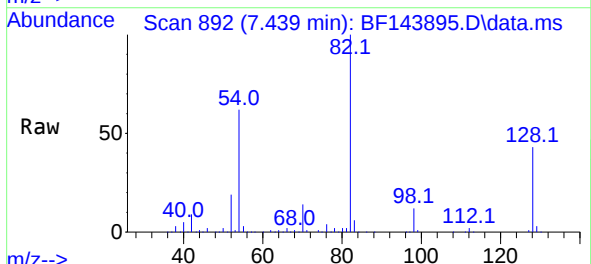
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.0	8.2	12.4
68	7.6	6.2	9.4

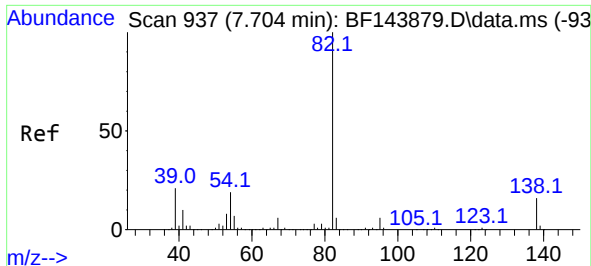


#23
Nitrobenzene-d5
Concen: 49.927 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion: 82 Resp: 328329

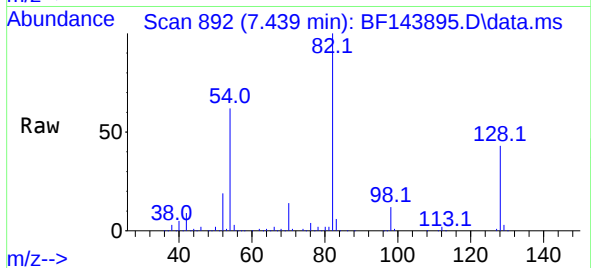
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.0	51.0
54	62.4	53.2	79.8



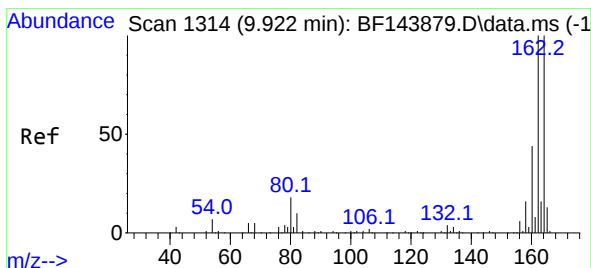
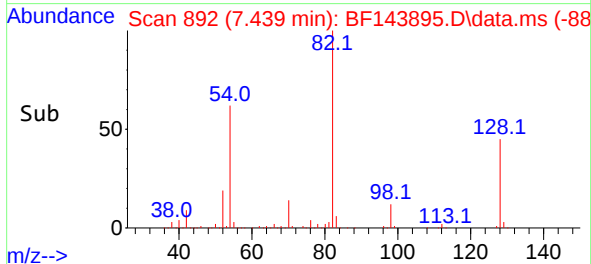
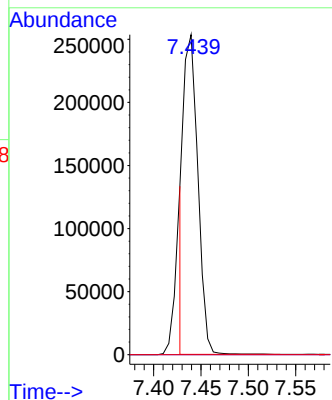


#25
Isophorone
Concen: 18.733 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Instrument :
BNA_F
ClientSampleId :
HL-EAST

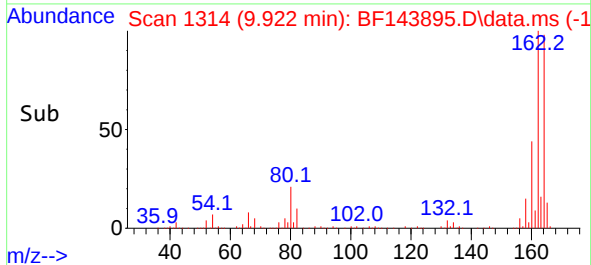
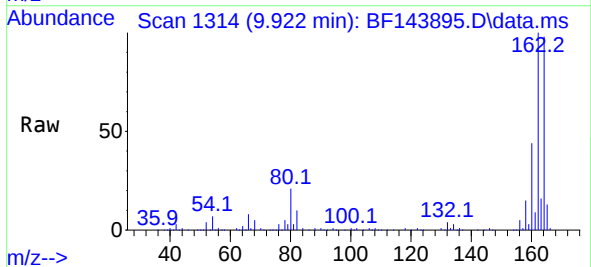
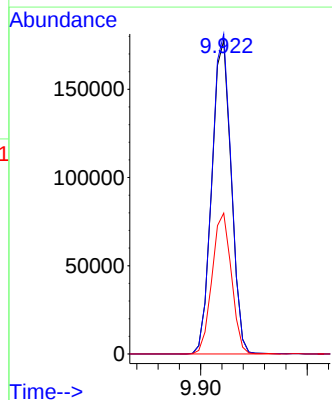


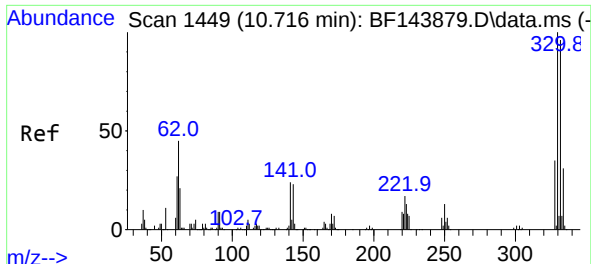
Tgt Ion: 82 Resp: 259761
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

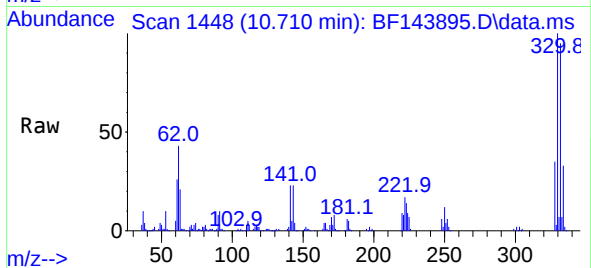
Tgt Ion:164 Resp: 224893
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 44.9 35.4 53.0



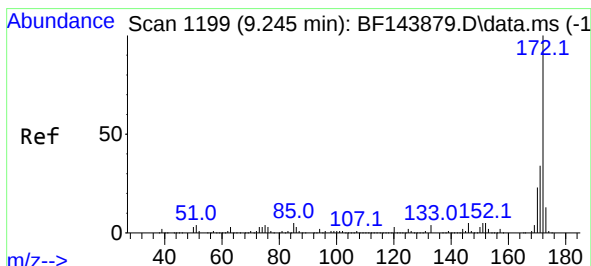
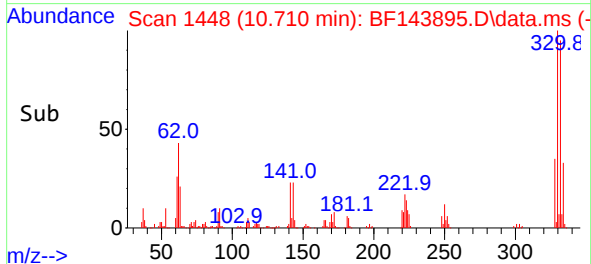
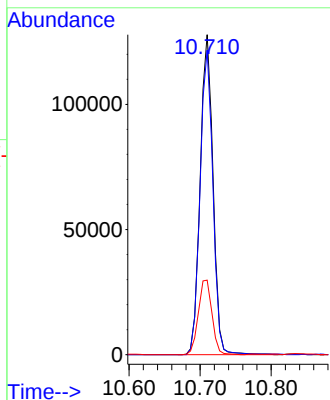


#42
2,4,6-Tribromophenol
Concen: 71.810 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Instrument :
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ClientSampleId :
HL-EAST

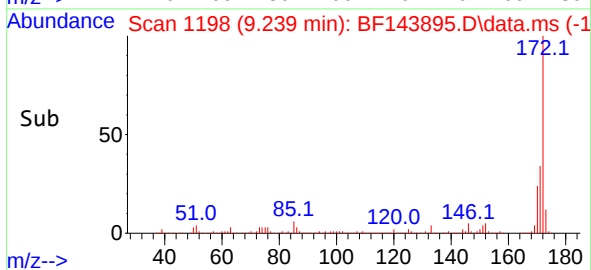
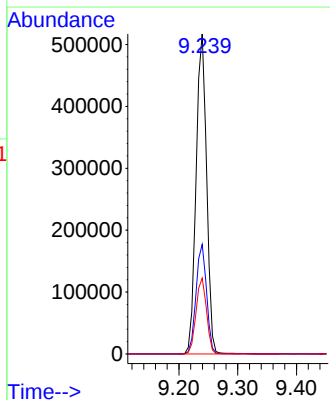
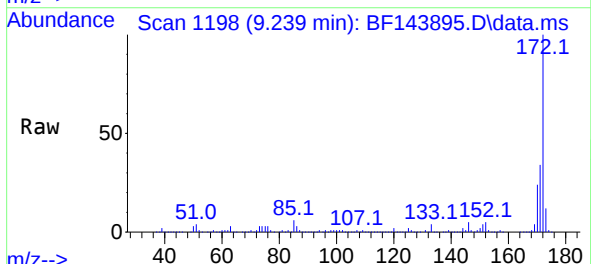


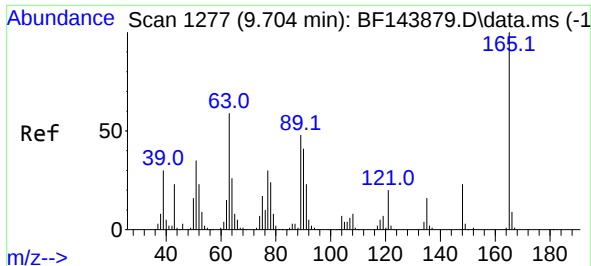
Tgt Ion:330 Resp: 160854
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 24.9 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 45.405 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:172 Resp: 643537
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.7 18.6 28.0

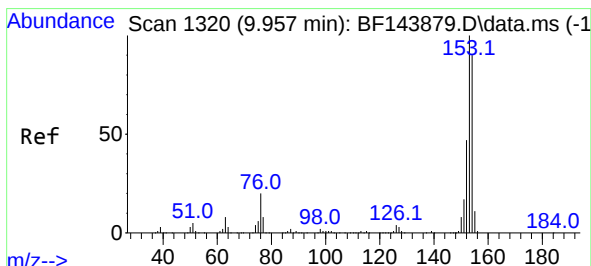
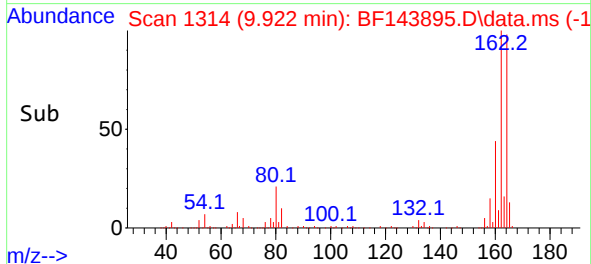
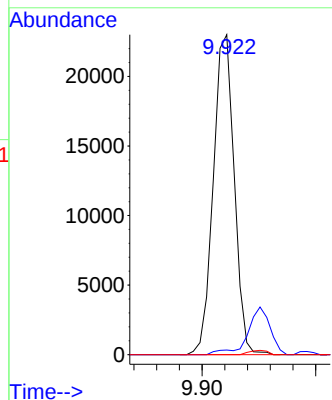
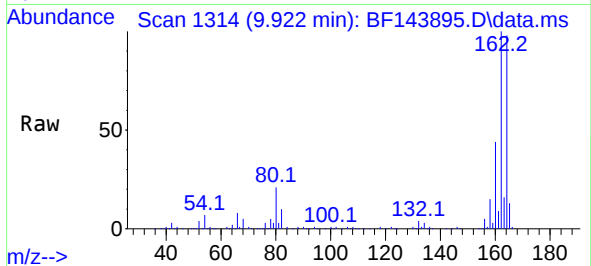




#51
2,6-Dinitrotoluene
Concen: 11.125 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

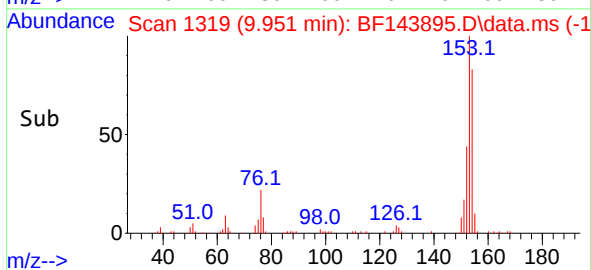
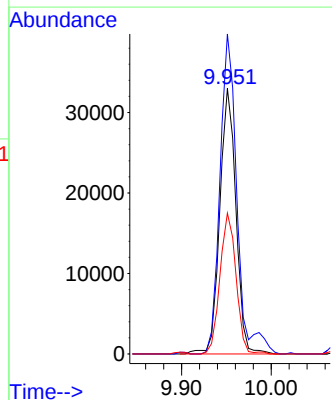
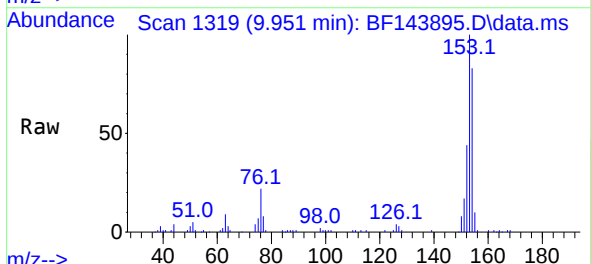
Instrument :
BNA_F
ClientSampleId :
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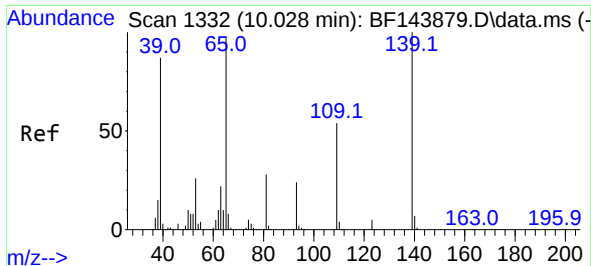
Tgt Ion:165 Resp: 29463
Ion Ratio Lower Upper
165 100
63 1.4 47.3 70.9#
89 0.0 38.2 57.4#



#52
Acenaphthene
Concen: 3.598 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:154 Resp: 41148
Ion Ratio Lower Upper
154 100
153 120.5 89.3 133.9
152 53.0 42.2 63.2

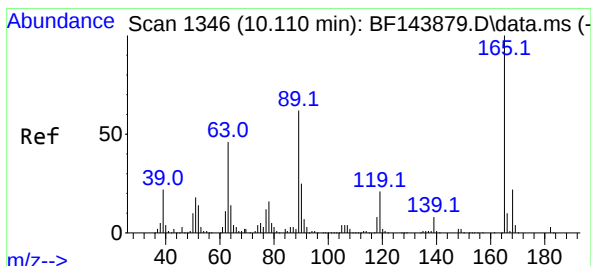
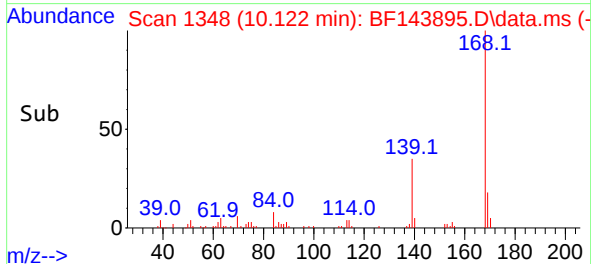
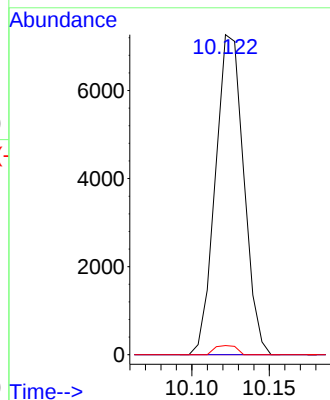
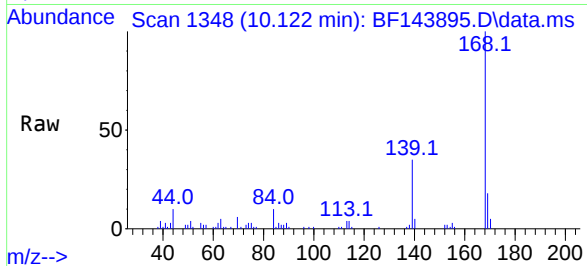




#56
4-Nitrophenol
Concen: 3.771 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.083 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

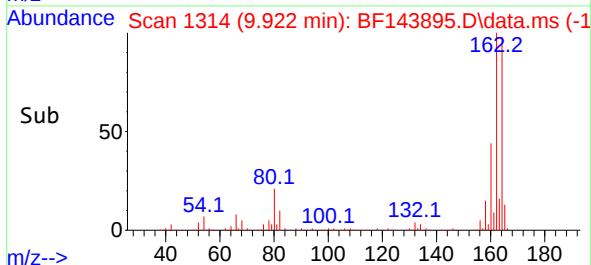
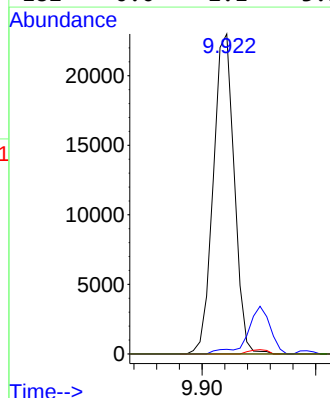
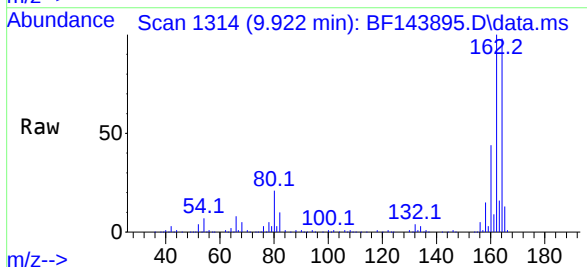
Instrument :
BNA_F
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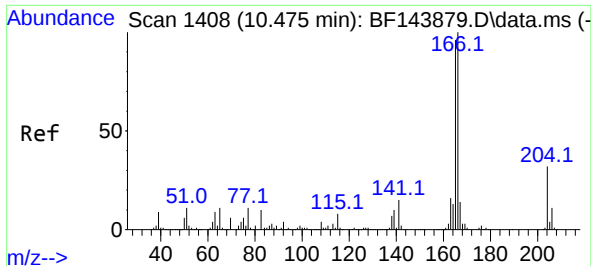
Tgt Ion:139 Resp: 9259
Ion Ratio Lower Upper
139 100
109 0.0 34.5 74.5#
65 2.9 77.6 117.6#



#57
2,4-Dinitrotoluene
Concen: 8.177 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:165 Resp: 29463
Ion Ratio Lower Upper
165 100
63 1.4 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

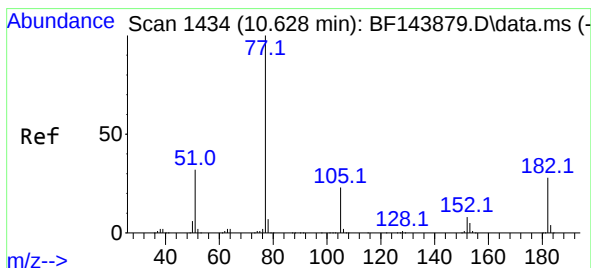
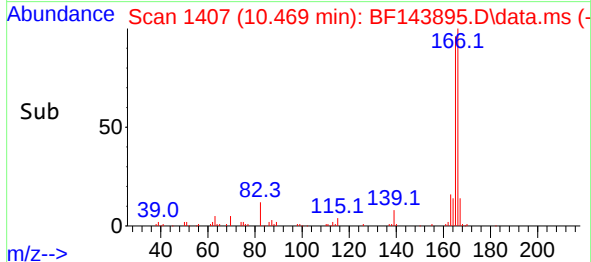
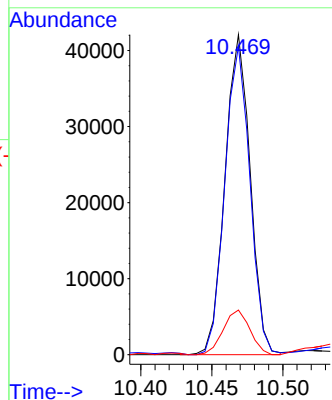
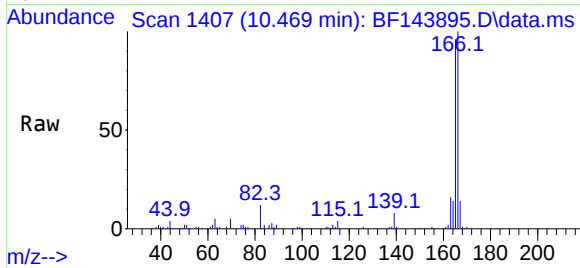




#58
Fluorene
Concen: 4.265 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

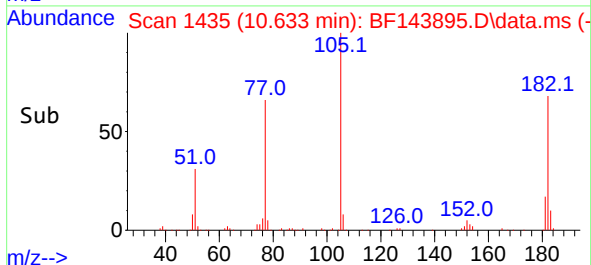
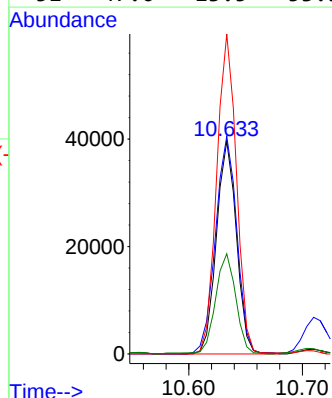
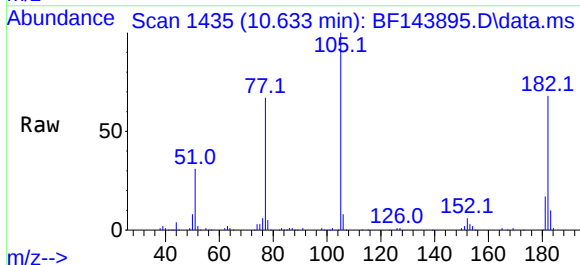
Instrument :
BNA_F
ClientSampleId :
HL-EAST

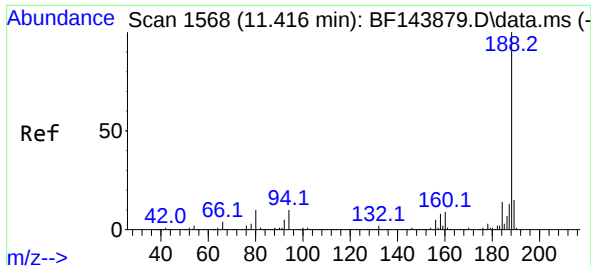
Tgt Ion:166 Resp: 51950
Ion Ratio Lower Upper
166 100
165 96.4 77.0 115.6
167 14.0 11.1 16.7



#63
Azobenzene
Concen: 3.495 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion: 77 Resp: 48469
Ion Ratio Lower Upper
77 100
182 102.3 7.3 47.3#
105 150.4 3.0 43.0#
51 47.0 13.5 53.5

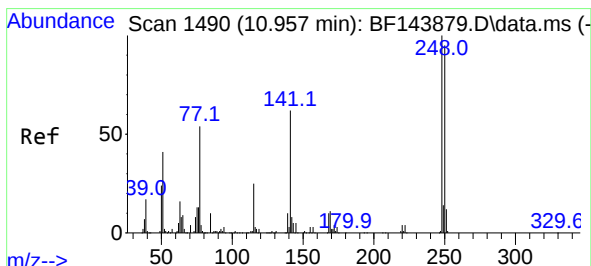
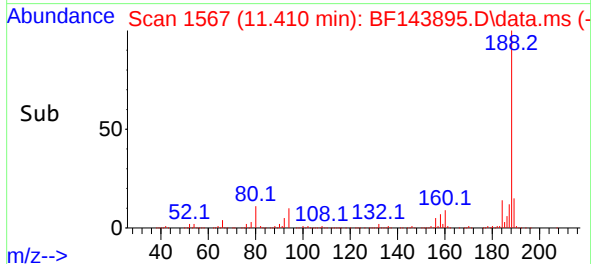
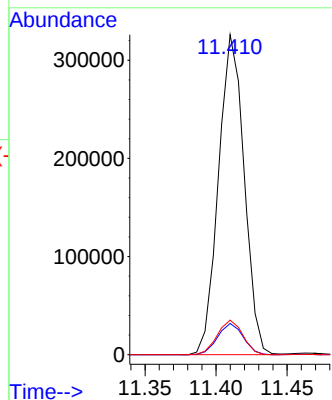
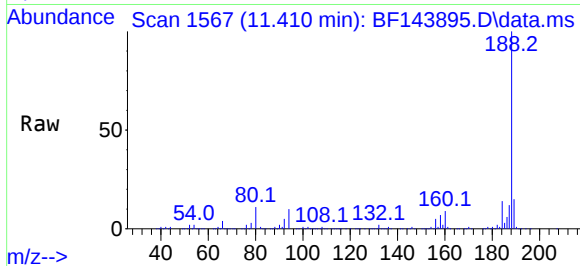




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

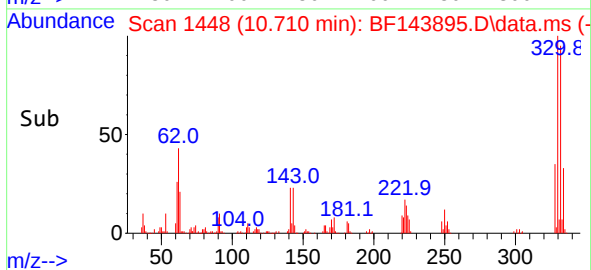
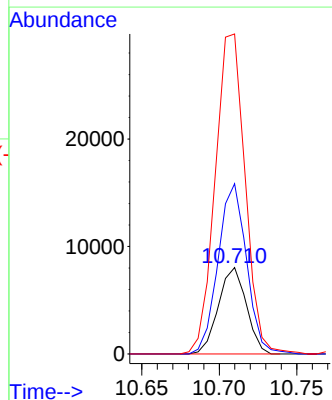
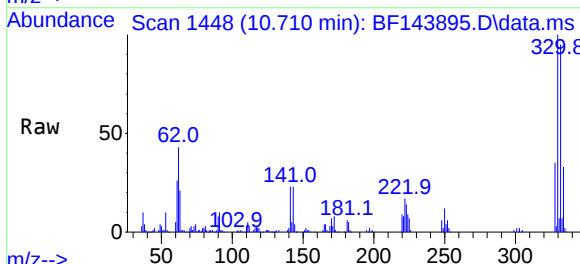
Instrument :
BNA_F
ClientSampleId :
HL-EAST

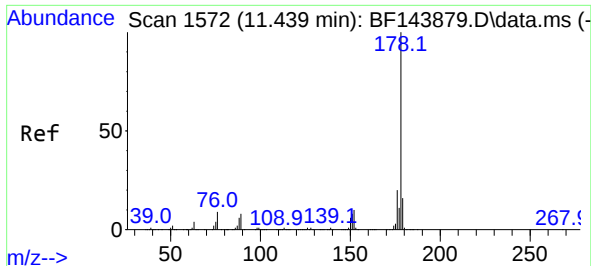
Tgt Ion:188 Resp: 409675
Ion Ratio Lower Upper
188 100
94 9.8 7.8 11.6
80 10.8 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.229 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:248 Resp: 10091
Ion Ratio Lower Upper
248 100
250 196.9 76.3 114.5#
141 370.2 49.7 74.5#

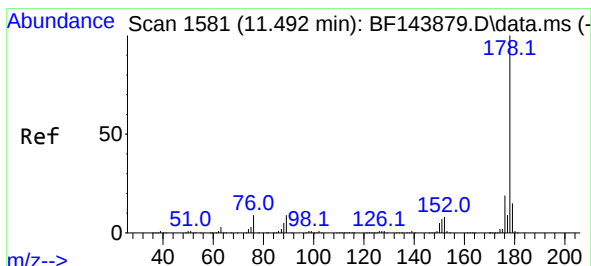
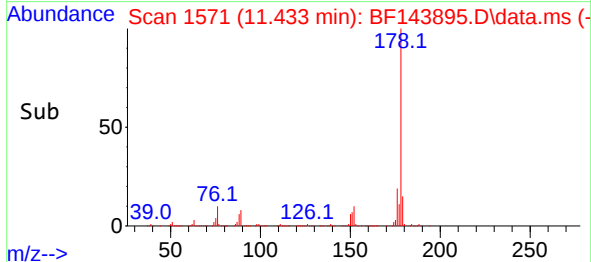
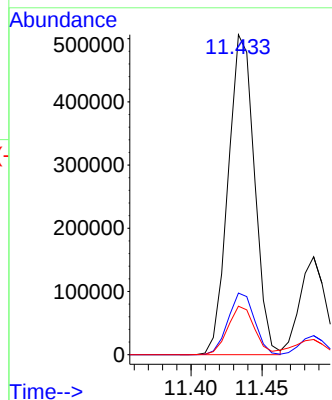
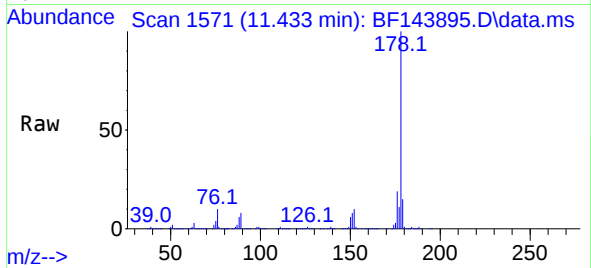




#71
Phenanthrene
Concen: 32.872 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

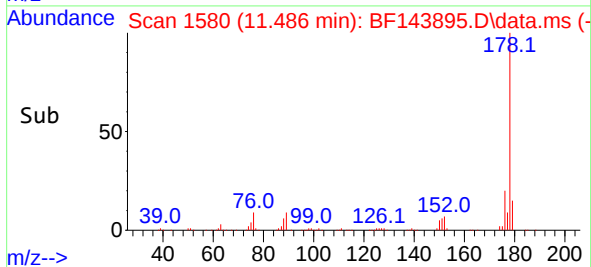
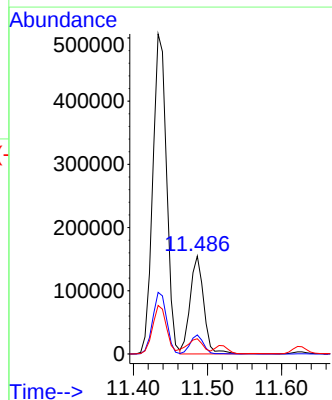
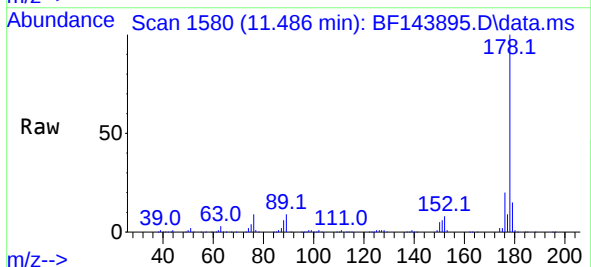
Instrument :
BNA_F
ClientSampleId :
HL-EAST

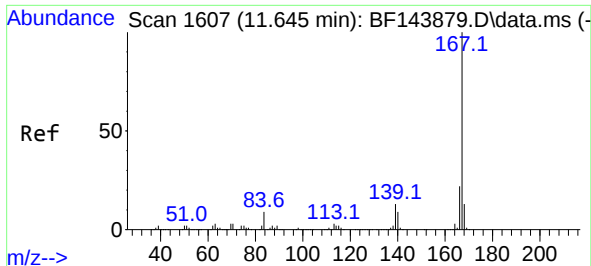
Tgt Ion:178 Resp: 652870
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.4 18.6



#72
Anthracene
Concen: 9.855 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:178 Resp: 197737
Ion Ratio Lower Upper
178 100
176 19.5 14.9 22.3
179 15.5 12.2 18.2

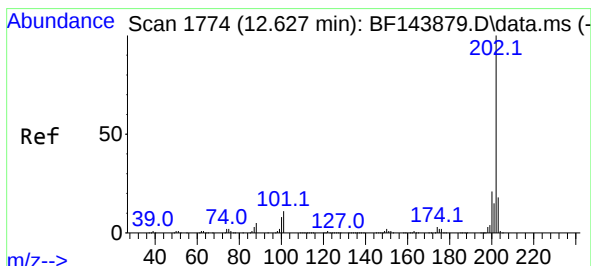
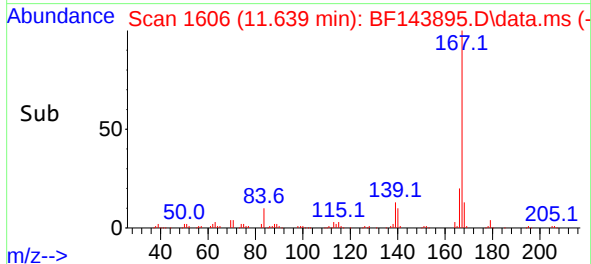
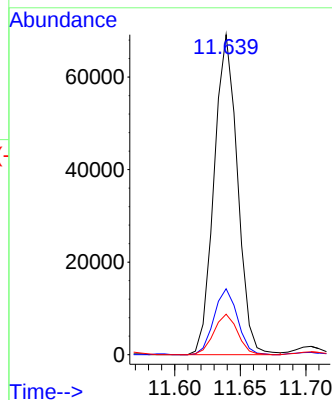
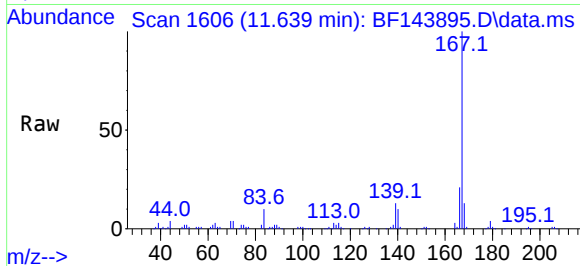




#73
Carbazole
Concen: 4.838 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

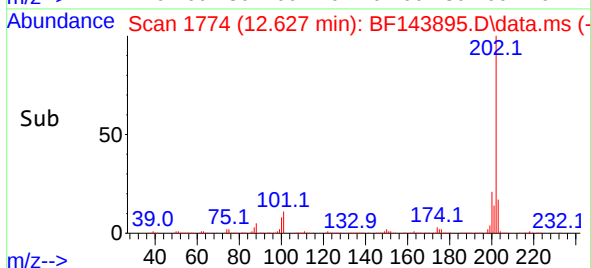
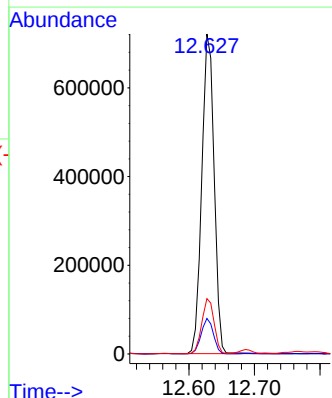
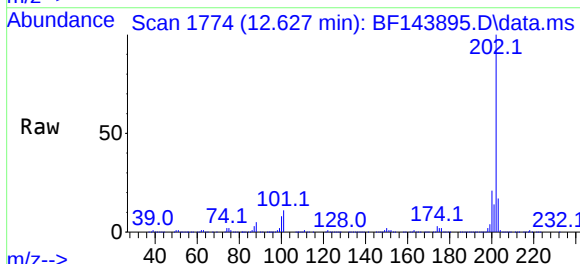
Instrument :
BNA_F
ClientSampleId :
HL-EAST

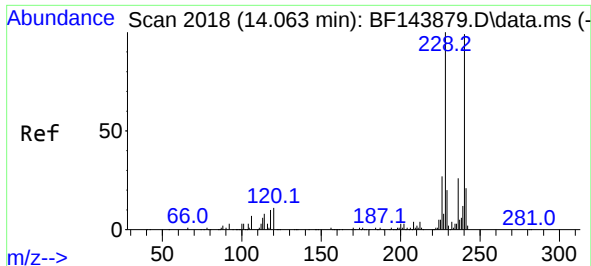
Tgt Ion:167 Resp: 85976
Ion Ratio Lower Upper
167 100
166 20.6 17.2 25.8
139 12.6 10.1 15.1



#75
Fluoranthene
Concen: 46.135 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:202 Resp: 946460
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.7
203 17.3 0.0 37.8

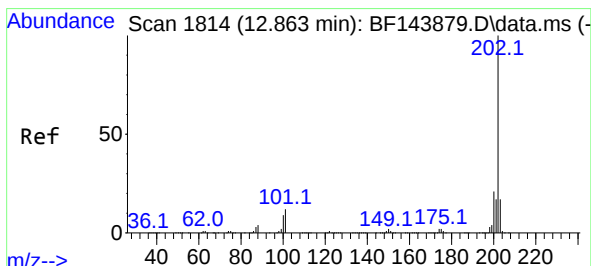
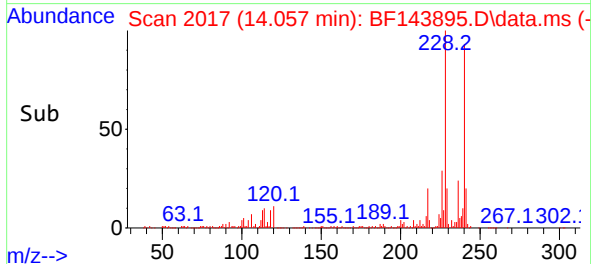
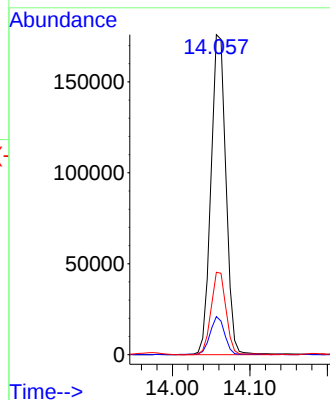
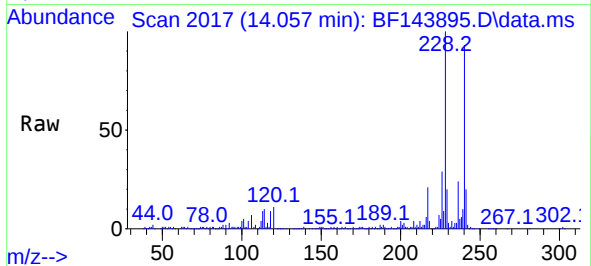




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

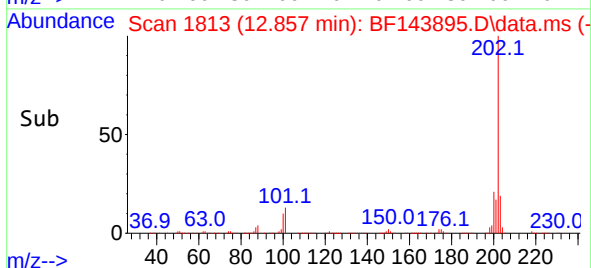
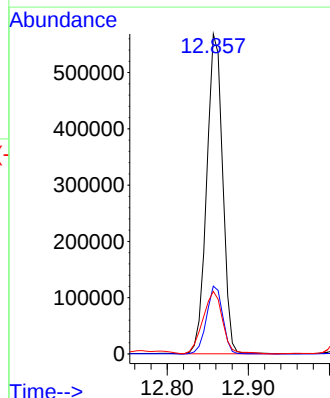
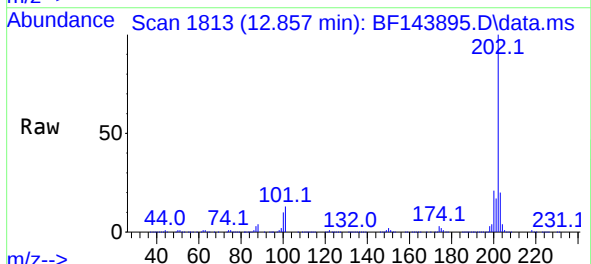
Instrument :
BNA_F
ClientSampleId :
HL-EAST

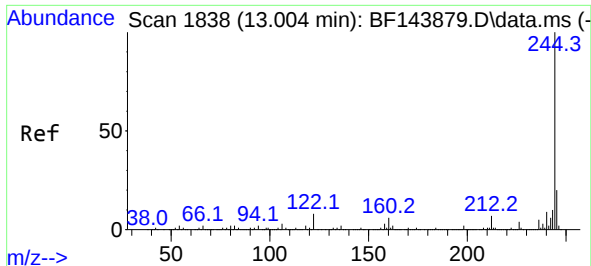
Tgt Ion:240 Resp: 236435
Ion Ratio Lower Upper
240 100
120 11.9 8.6 13.0
236 25.8 21.1 31.7



#78
Pyrene
Concen: 39.251 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:202 Resp: 773693
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 19.5 13.8 20.6

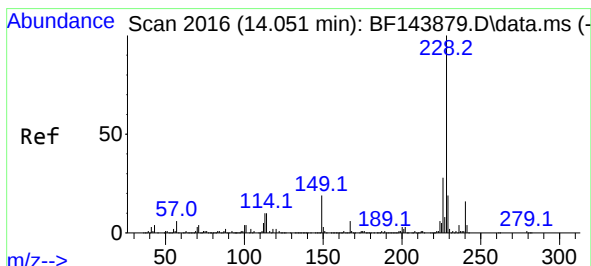
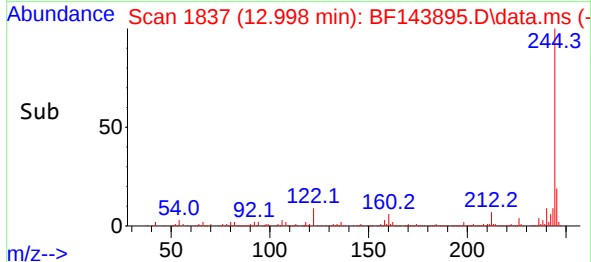
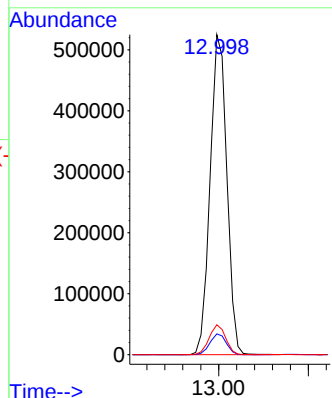
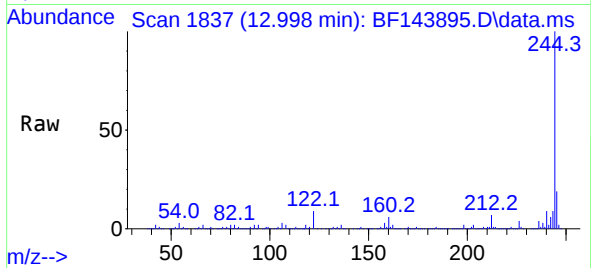




#79
 Terphenyl-d14
 Concen: 49.071 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF143895.D
 Acq: 08 Oct 2025 15:11

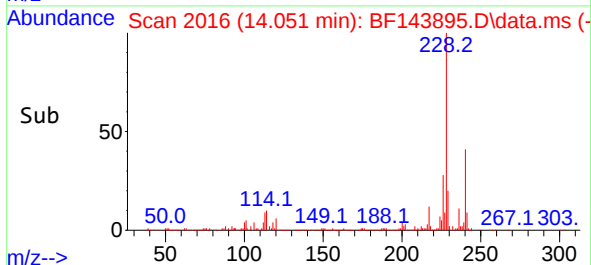
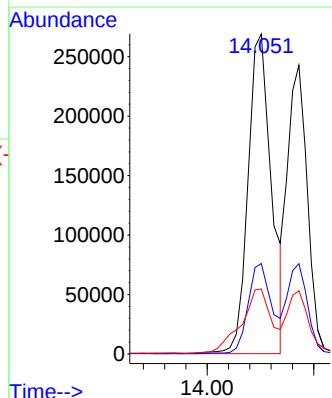
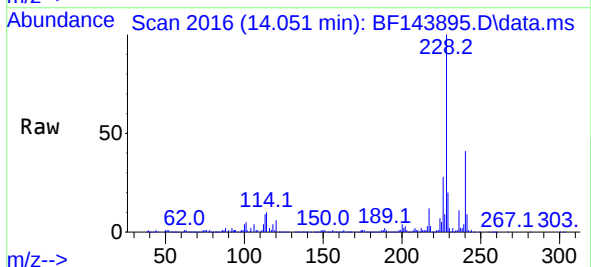
Instrument :
 BNA_F
 ClientSampleId :
 HL-EAST

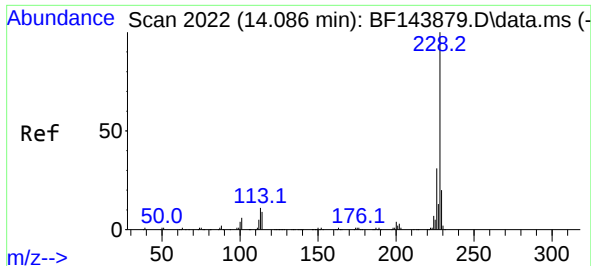
Tgt Ion:244 Resp: 678847
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.3 6.4 9.6



#81
 Benzo(a)anthracene
 Concen: 26.584 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF143895.D
 Acq: 08 Oct 2025 15:11

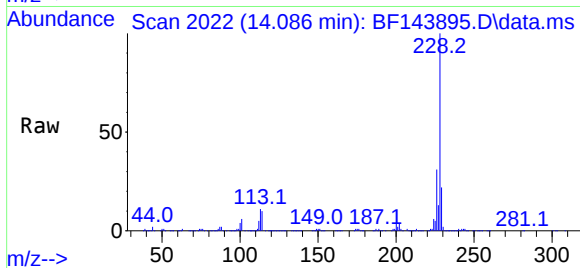
Tgt Ion:228 Resp: 411325
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.2 33.2
 229 20.3 15.6 23.4



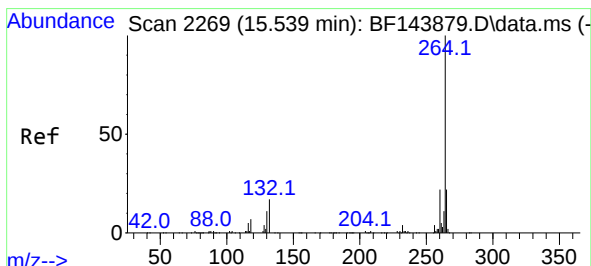
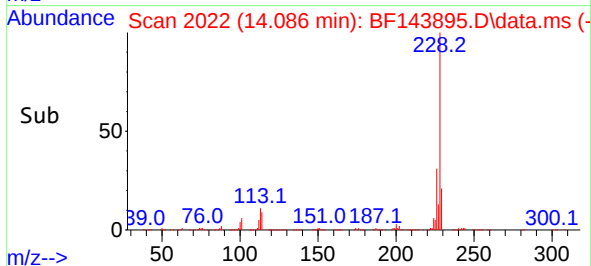
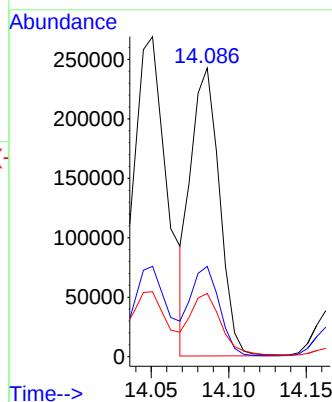


#83
Chrysene
Concen: 21.781 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Instrument :
BNA_F
ClientSampleId :
HL-EAST

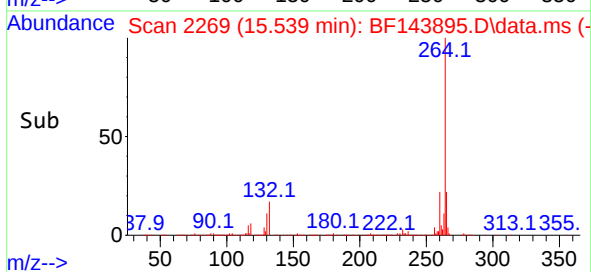
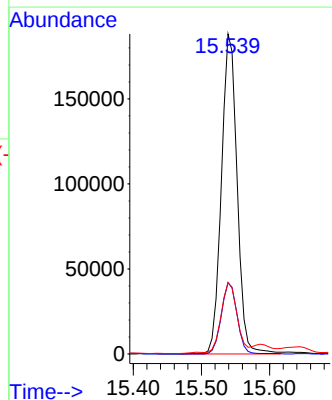
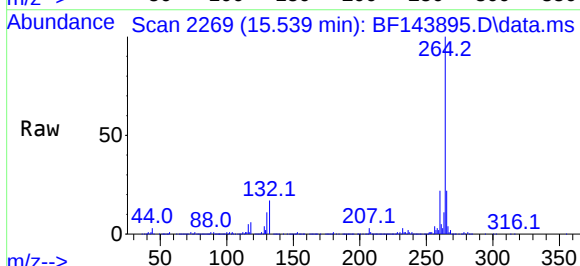


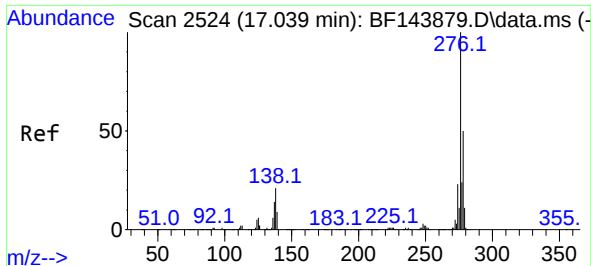
Tgt Ion:228 Resp: 311910
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 21.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:264 Resp: 301845
Ion Ratio Lower Upper
264 100
260 22.3 17.8 26.8
265 22.3 17.5 26.3

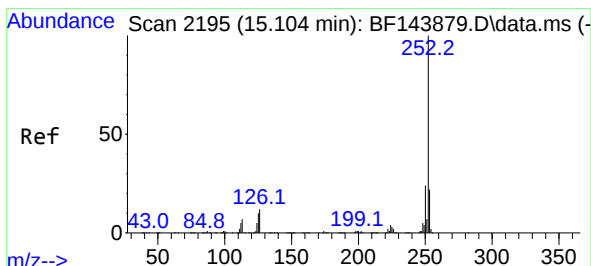
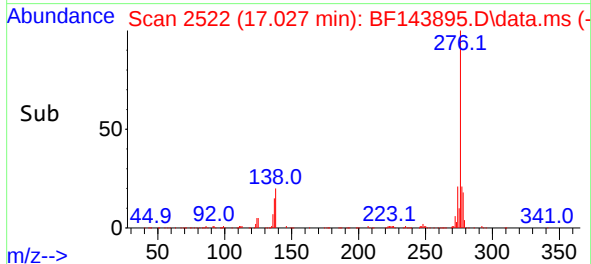
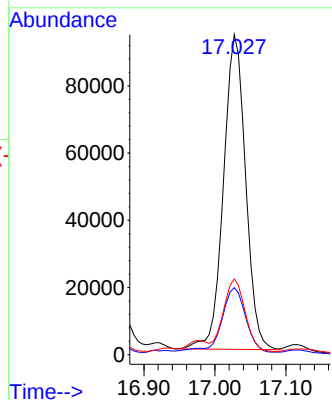
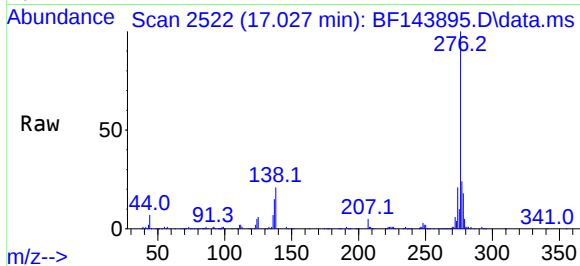




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.964 ng
RT: 17.027 min Scan# 2196
Delta R.T. -0.029 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

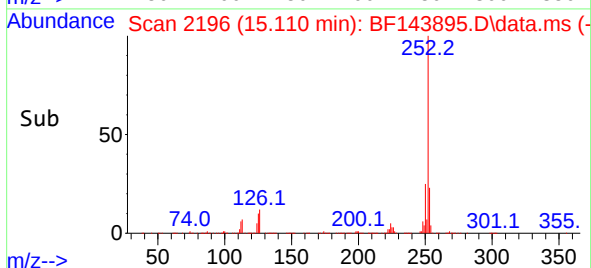
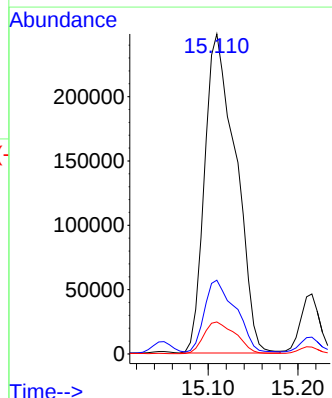
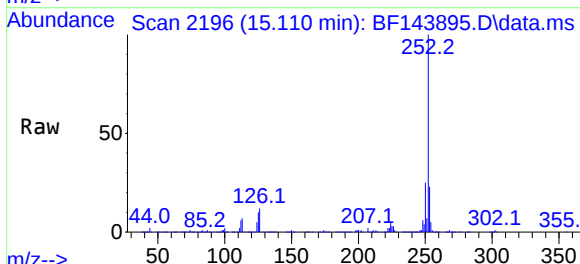
Instrument :
BNA_F
ClientSampleId :
HL-EAST

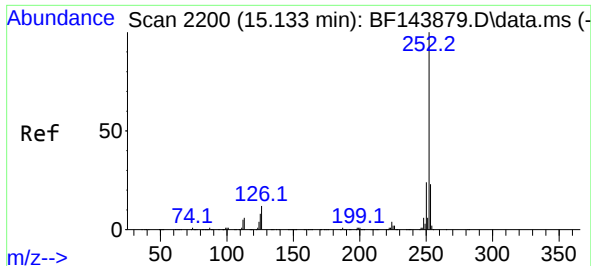
Tgt Ion:276 Resp: 202775
Ion Ratio Lower Upper
276 100
138 24.1 18.2 27.2
277 23.2 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 34.552 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Tgt Ion:252 Resp: 599098
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 10.0 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 37.341 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143895.D

Acq: 08 Oct 2025 15:11

Instrument :

BNA_F

ClientSampleId :

HL-EAST

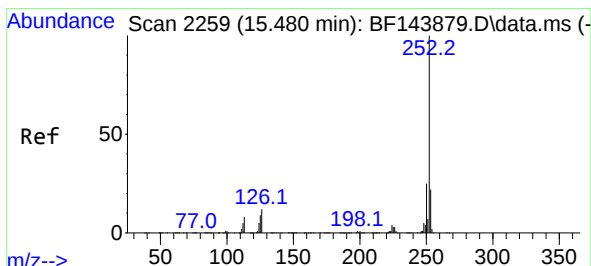
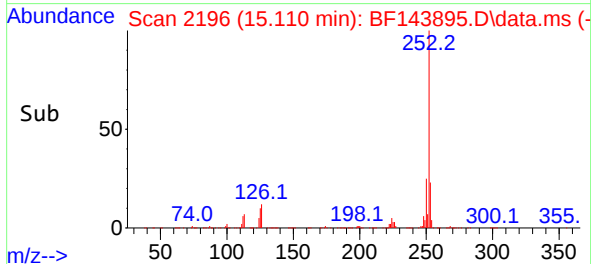
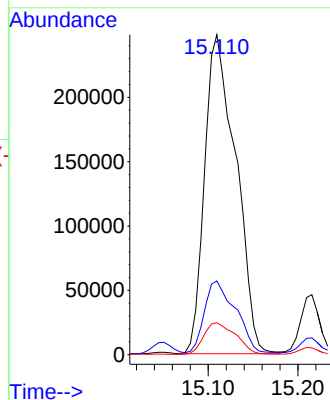
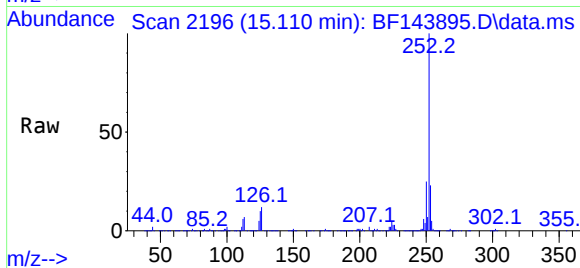
Tgt Ion:252 Resp: 599098

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 10.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 22.003 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF143895.D

Acq: 08 Oct 2025 15:11

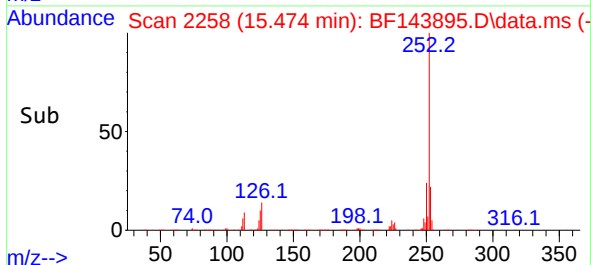
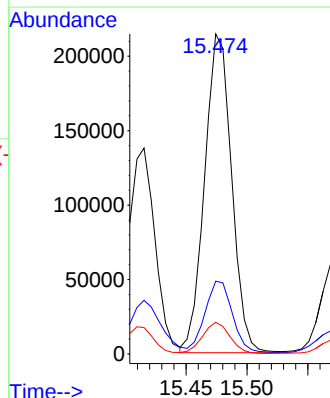
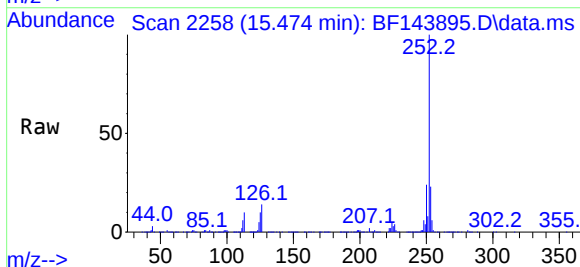
Tgt Ion:252 Resp: 330804

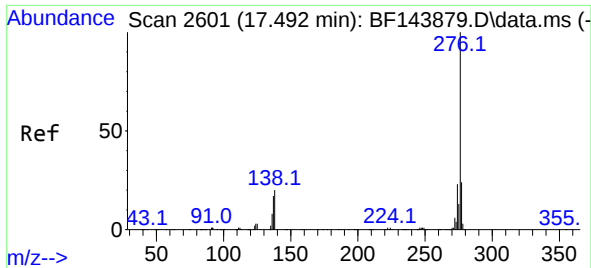
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 9.9 7.0 10.4





#92
 Benzo(g,h,i)perylene
 Concen: 12.162 ng
 RT: 17.480 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF143895.D
 Acq: 08 Oct 2025 15:11

Instrument :
 BNA_F
 ClientSampleId :
 HL-EAST

Tgt Ion:276 Resp: 180915
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.0 28.6
 138 21.7 16.1 24.1

