

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143707.D
 Acq On : 11 Sep 2025 15:32
 Operator : RC/JU
 Sample : Q3055-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-090925

Quant Time: Sep 11 15:53:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

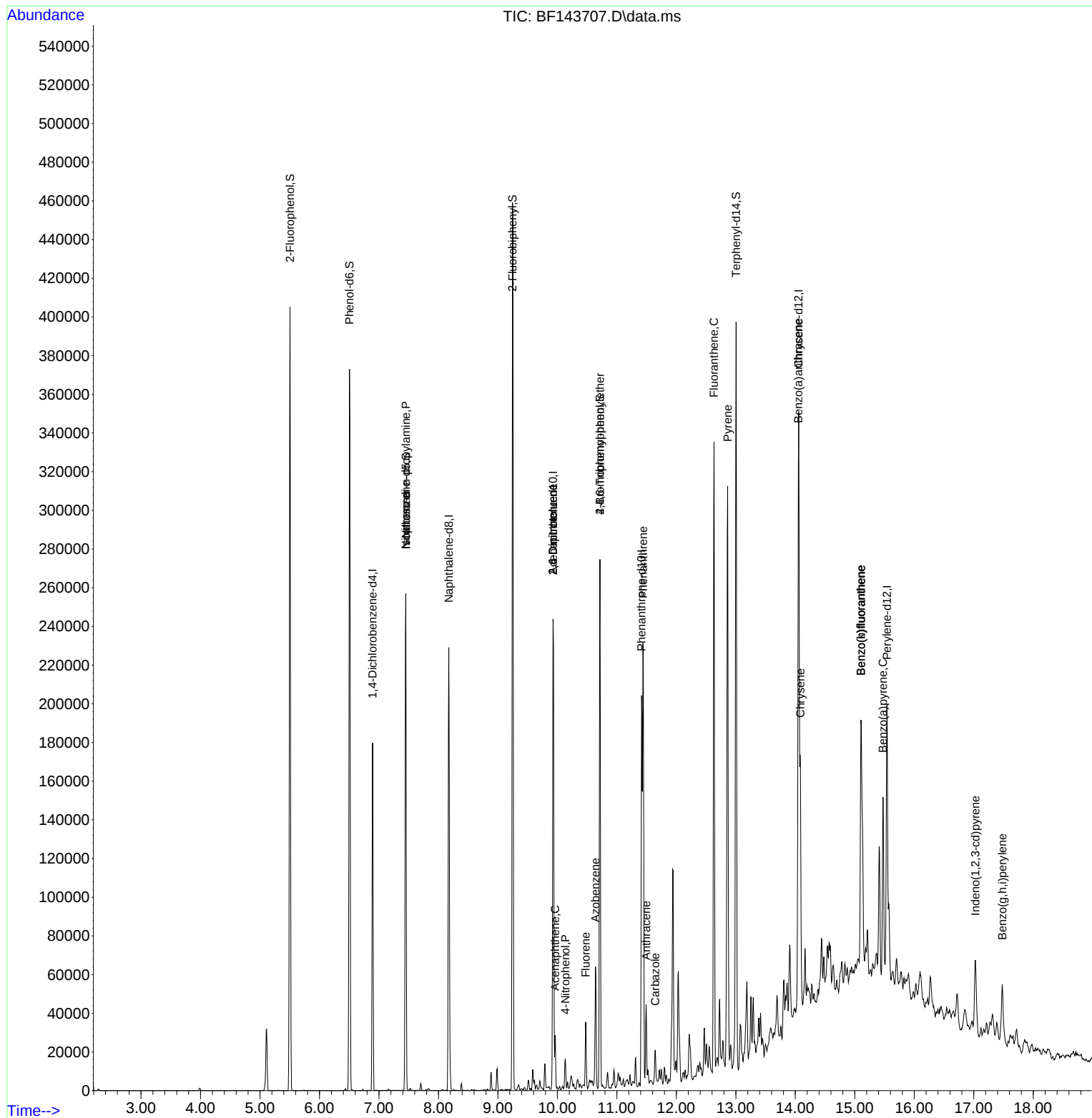
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	38487	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	141505	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	74782	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	106237	20.000	ng	0.00
76) Chrysene-d12	14.057	240	99143	20.000	ng	0.01
86) Perylene-d12	15.539	264	80377	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	153182	67.906	ng	0.00
7) Phenol-d6	6.504	99	183003	66.628	ng	0.00
23) Nitrobenzene-d5	7.451	82	112060	49.258	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	47382	62.871	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	214428	43.315	ng	0.00
79) Terphenyl-d14	13.004	244	182307	29.799	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	15572	9.231	ng	# 77
25) Isophorone	7.451	82	111905	25.652	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	9931	10.675	ng	# 27
52) Acenaphthene	9.963	154	9334	2.240	ng	100
56) 4-Nitrophenol	10.133	139	2786	3.498	ng	# 9
57) 2,4-Dinitrotoluene	9.928	165	9931	7.844	ng	# 27
58) Fluorene	10.475	166	14002	2.986	ng	97
63) Azobenzene	10.639	77	14466	3.582	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	3122	2.437	ng	# 1
71) Phenanthrene	11.439	178	125919	21.512	ng	100
72) Anthracene	11.492	178	24821	4.217	ng	99
73) Carbazole	11.645	167	9920	2.058	ng	99
75) Fluoranthene	12.633	202	183380	34.126	ng	99
78) Pyrene	12.863	202	173252	21.856	ng	99
81) Benzo(a)anthracene	14.051	228	88794	13.921	ng	95
83) Chrysene	14.086	228	67350	11.529	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	27463	5.006	ng	97
88) Benzo(b)fluoranthene	15.104	252	115573	24.155	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	115573	26.764	ng	# 96
90) Benzo(a)pyrene	15.474	252	56417	13.421	ng	95
92) Benzo(g,h,i)perylene	17.480	276	28803	6.766	ng	98

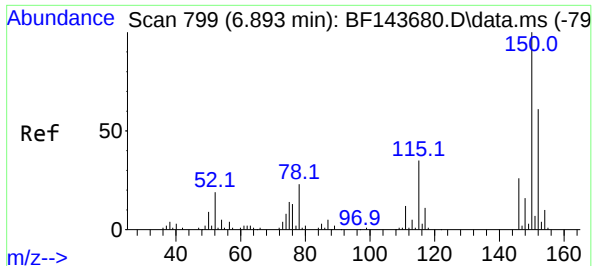
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
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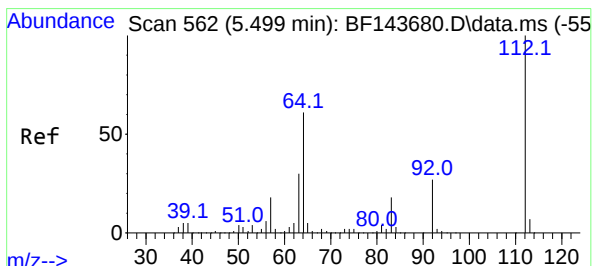
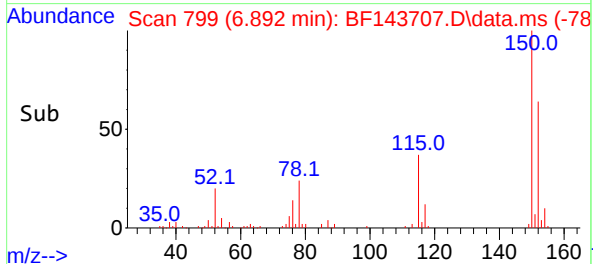
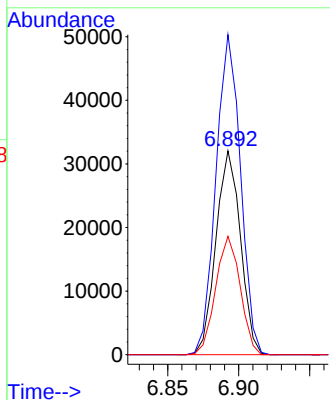
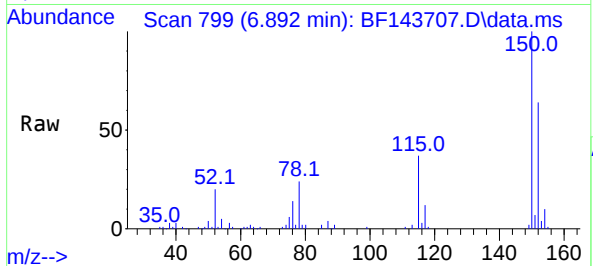




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

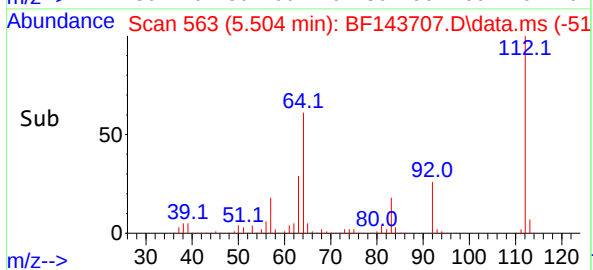
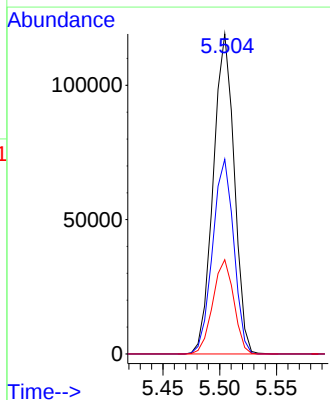
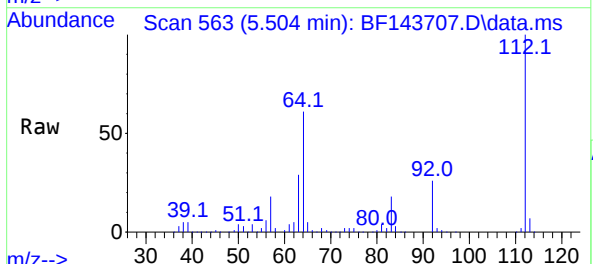
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

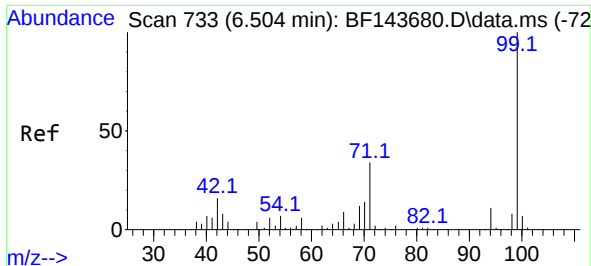
Tgt Ion:152 Resp: 38487
Ion Ratio Lower Upper
152 100
150 157.0 130.7 196.1
115 58.1 45.9 68.9



#5
2-Fluorophenol
Concen: 67.906 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

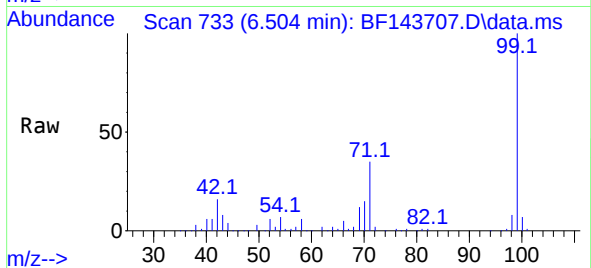
Tgt Ion:112 Resp: 153182
Ion Ratio Lower Upper
112 100
64 60.9 49.0 73.4
63 29.4 24.3 36.5



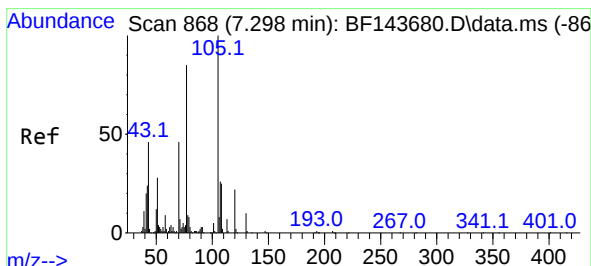
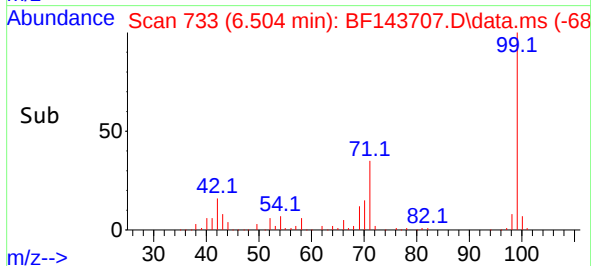
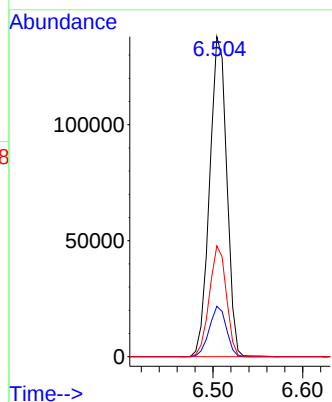


#7
Phenol-d6
Concen: 66.628 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Instrument :
BNA_F
ClientSampleId :
OR-03-090925

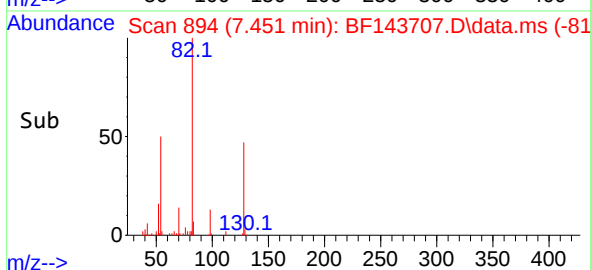
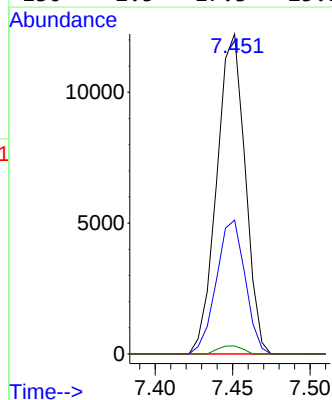
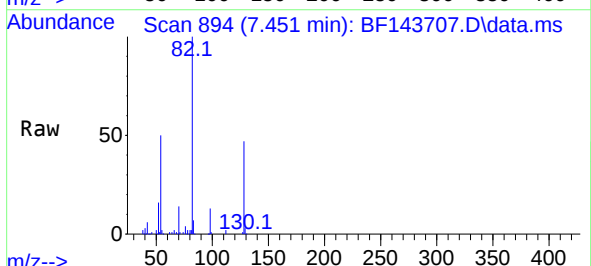


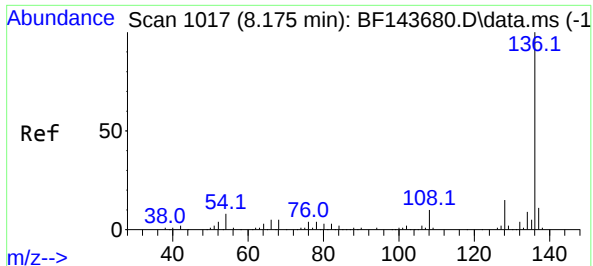
Tgt Ion: 99 Resp: 183003
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 34.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.231 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion: 70 Resp: 15572
Ion Ratio Lower Upper
70 100
42 41.8 41.4 62.2
101 0.0 8.1 12.1#
130 2.5 17.3 25.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Instrument :

BNA_F

ClientSampleId :

OR-03-090925

Tgt Ion:136 Resp: 141505

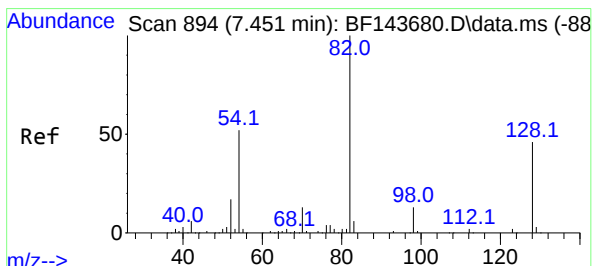
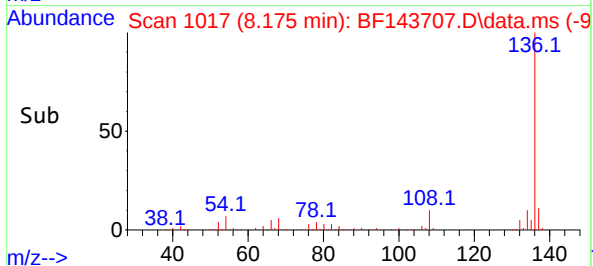
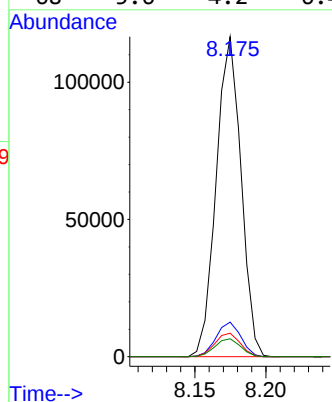
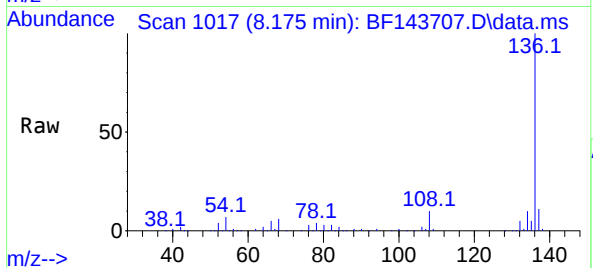
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.3 6.2 9.2

68 5.6 4.2 6.4



#23

Nitrobenzene-d5

Concen: 49.258 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

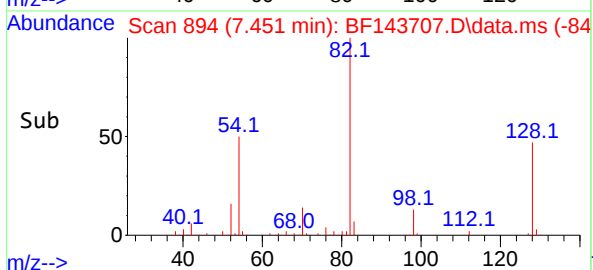
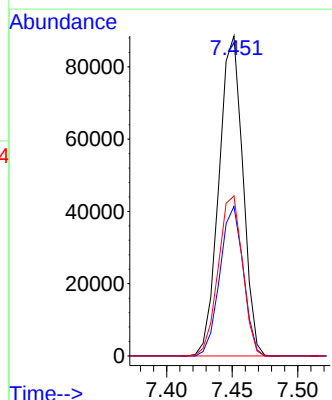
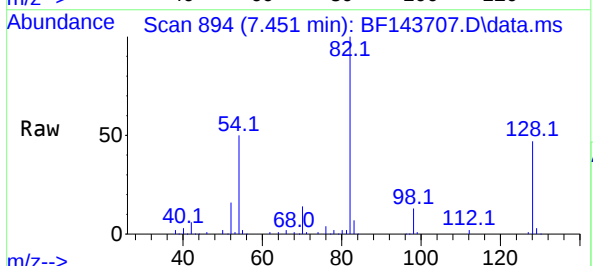
Tgt Ion: 82 Resp: 112060

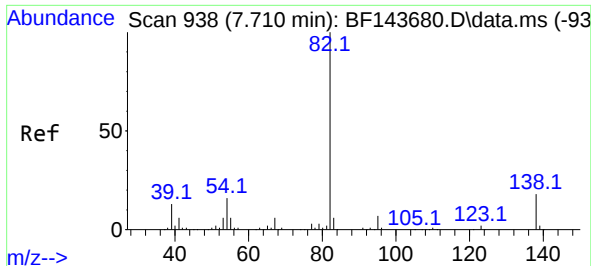
Ion Ratio Lower Upper

82 100

128 46.8 37.0 55.4

54 50.0 41.8 62.8

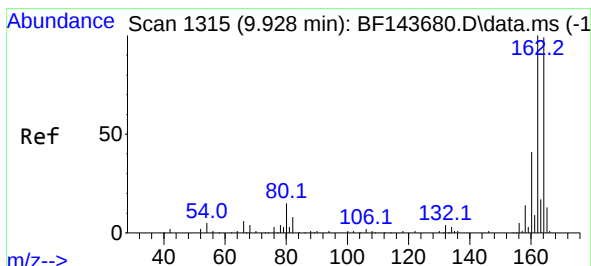
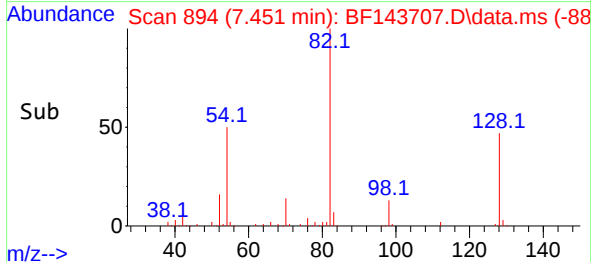
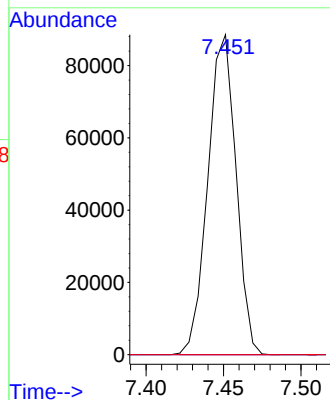
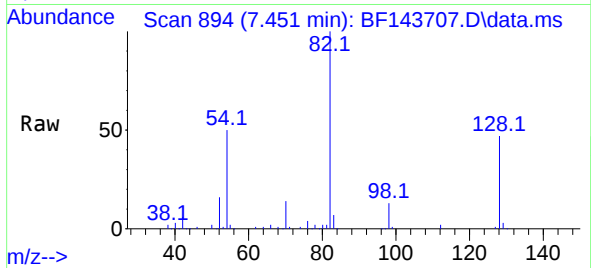




#25
Isophorone
Concen: 25.652 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

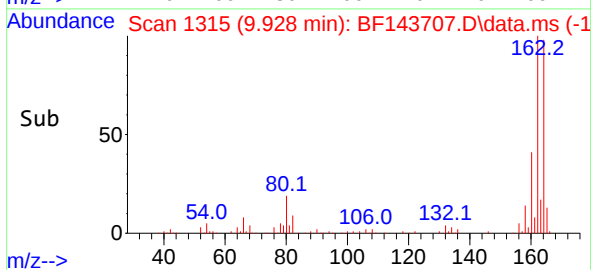
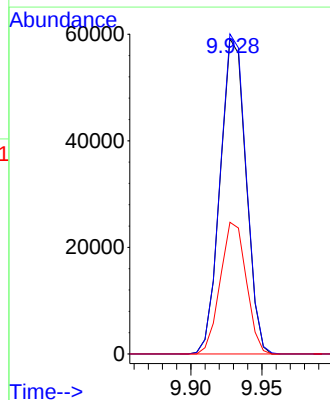
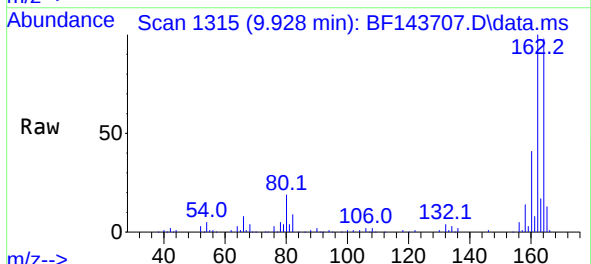
Instrument :
BNA_F
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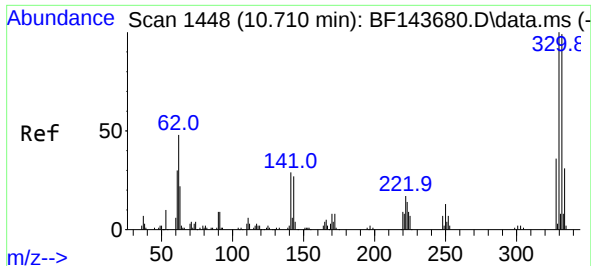
Tgt Ion: 82 Resp: 111905
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

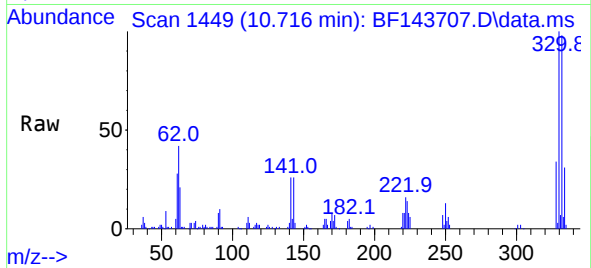
Tgt Ion:164 Resp: 74782
Ion Ratio Lower Upper
164 100
162 101.5 80.6 121.0
160 41.8 33.0 49.4



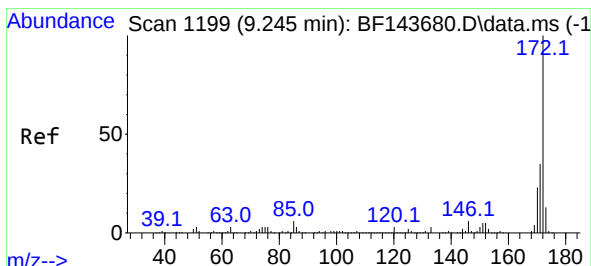
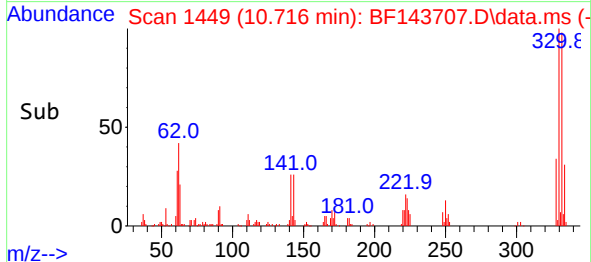
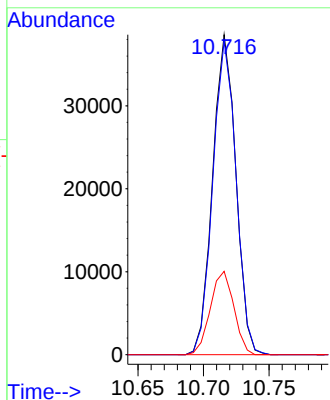


#42
2,4,6-Tribromophenol
Concen: 62.871 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Instrument :
BNA_F
ClientSampleId :
OR-03-090925

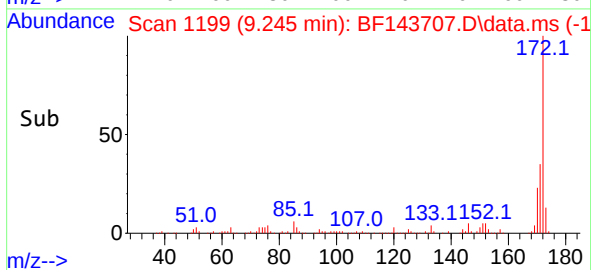
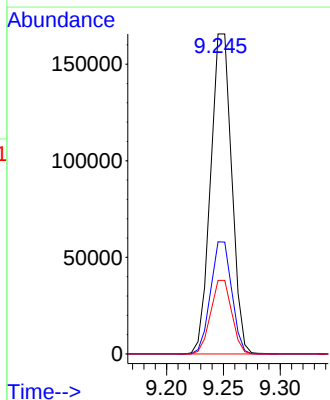
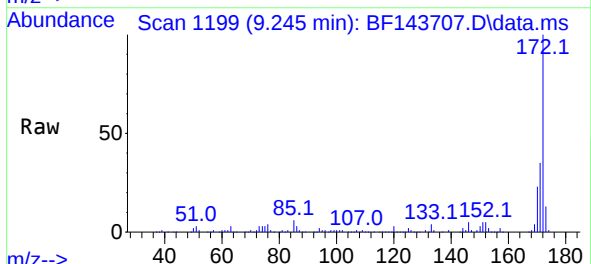


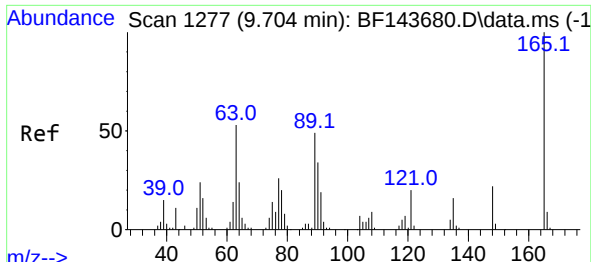
Tgt Ion:330 Resp: 47382
Ion Ratio Lower Upper
330 100
332 98.1 79.2 118.8
141 26.4 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 43.315 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

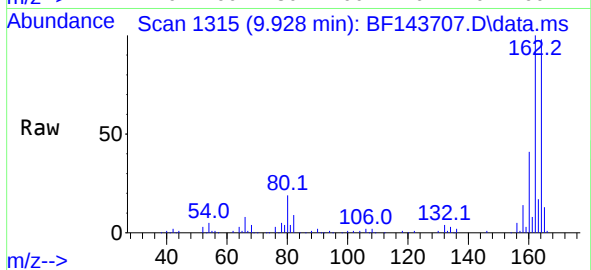
Tgt Ion:172 Resp: 214428
Ion Ratio Lower Upper
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171 35.0 27.9 41.9
170 23.0 18.6 27.8



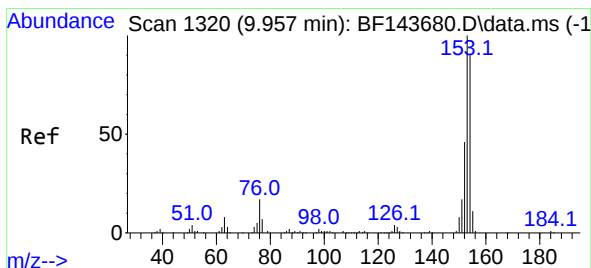
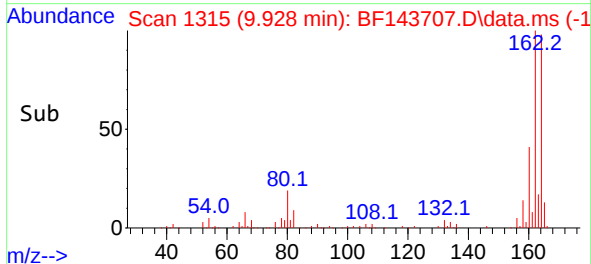
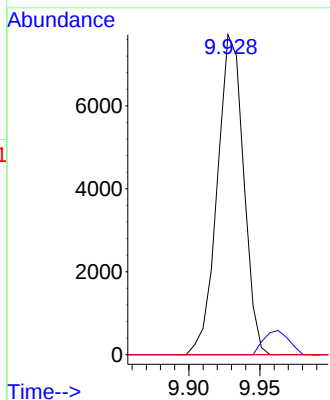


#51
2,6-Dinitrotoluene
Concen: 10.675 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

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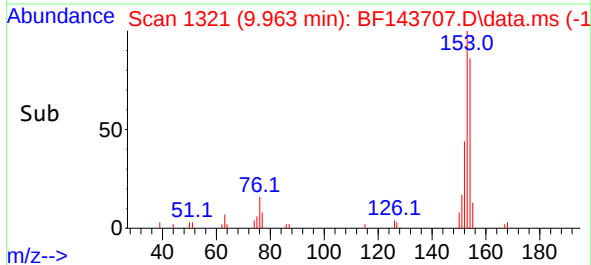
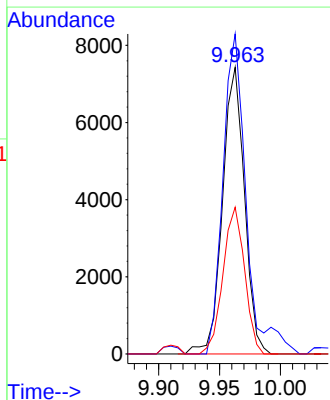
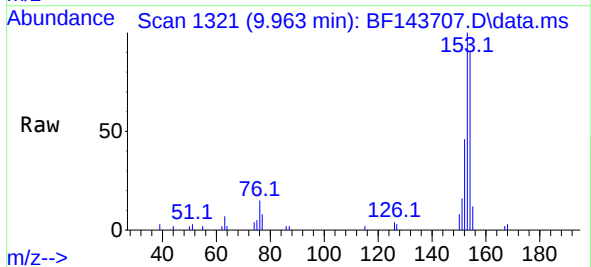


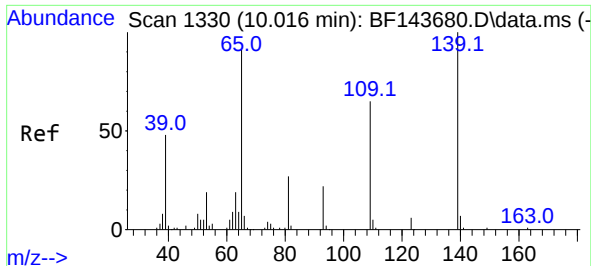
Tgt Ion:165 Resp: 9931
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 0.0 39.3 58.9#



#52
Acenaphthene
Concen: 2.240 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:154 Resp: 9334
Ion Ratio Lower Upper
154 100
153 111.6 89.4 134.0
152 51.2 41.2 61.8

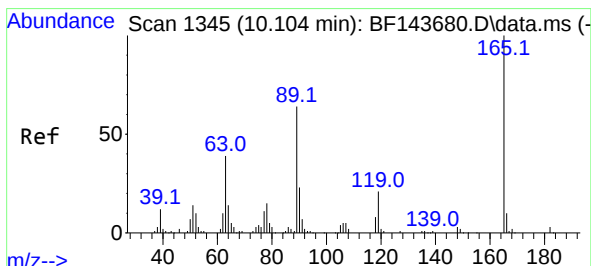
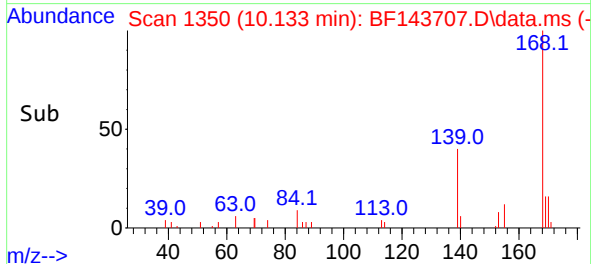
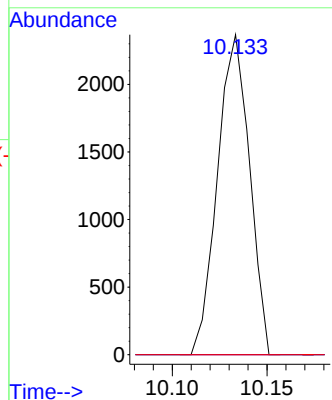
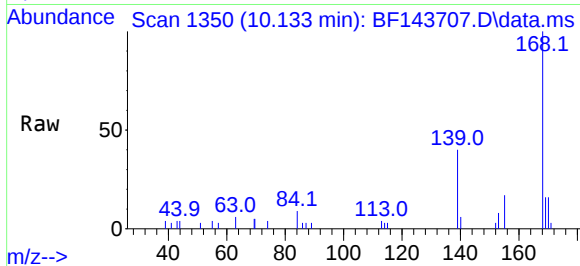




#56
4-Nitrophenol
Concen: 3.498 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.117 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

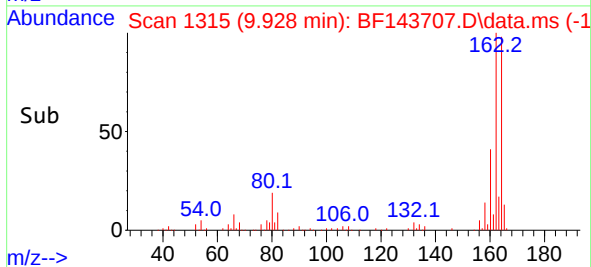
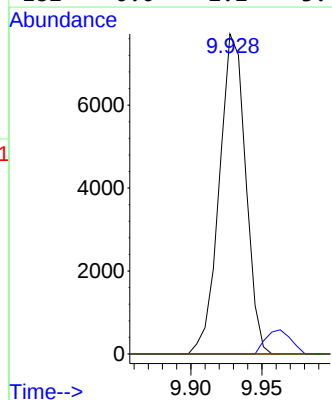
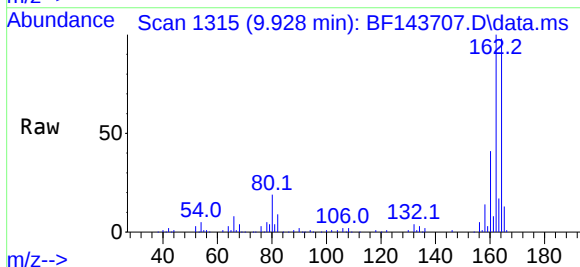
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

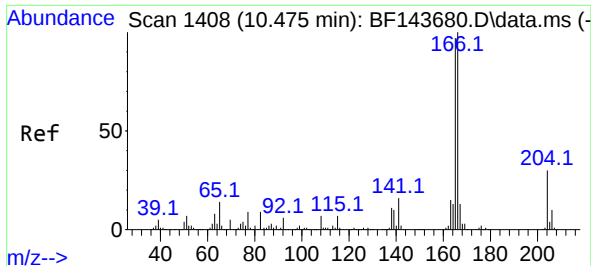
Tgt Ion:139 Resp: 2786
Ion Ratio Lower Upper
139 100
109 0.0 45.2 85.2#
65 0.0 72.1 112.1#



#57
2,4-Dinitrotoluene
Concen: 7.844 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.177 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:165 Resp: 9931
Ion Ratio Lower Upper
165 100
63 0.0 31.5 47.3#
89 0.0 51.3 76.9#
182 0.0 2.2 3.4#

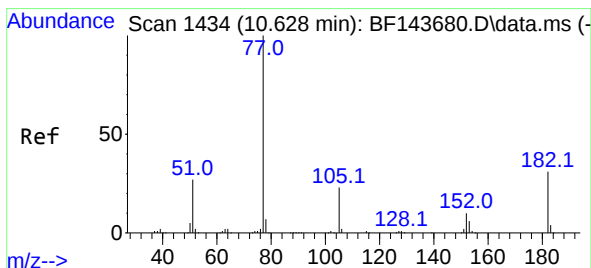
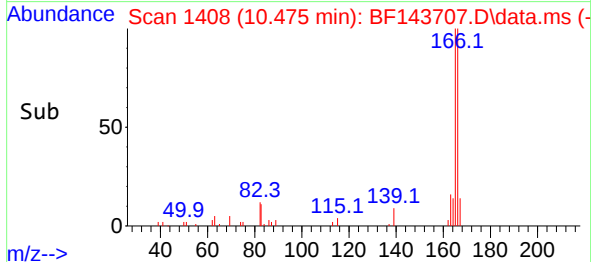
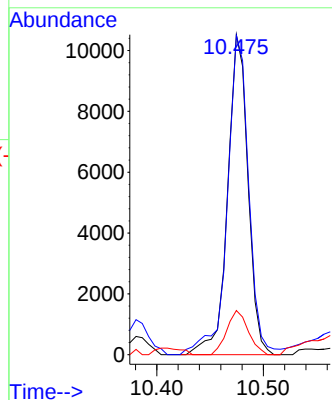
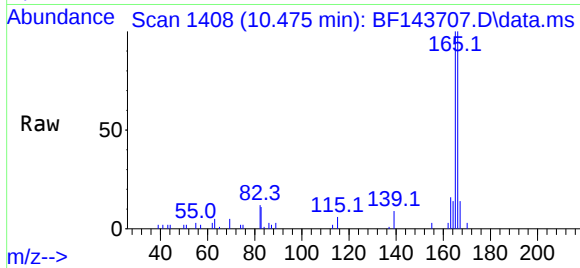




#58
Fluorene
Concen: 2.986 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

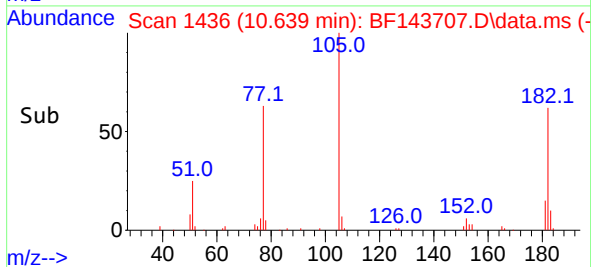
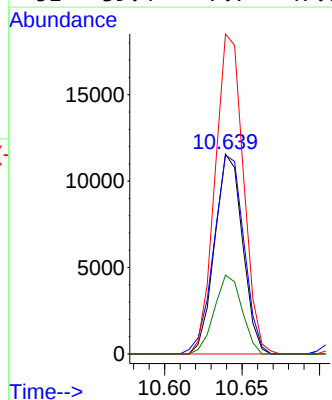
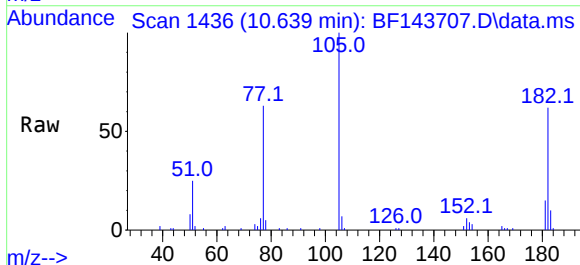
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

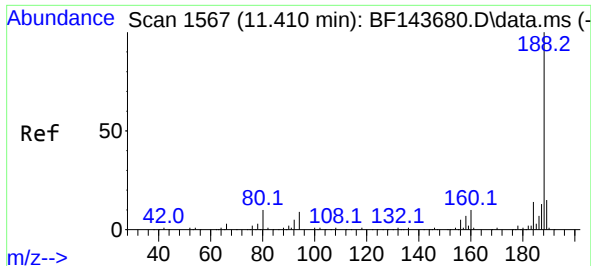
Tgt Ion:166 Resp: 14002
Ion Ratio Lower Upper
166 100
165 99.8 77.5 116.3
167 13.8 10.2 15.2



#63
Azobenzene
Concen: 3.582 ng
RT: 10.639 min Scan# 1436
Delta R.T. 0.012 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion: 77 Resp: 14466
Ion Ratio Lower Upper
77 100
182 99.4 10.8 50.8#
105 160.0 3.2 43.2#
51 39.4 7.7 47.7

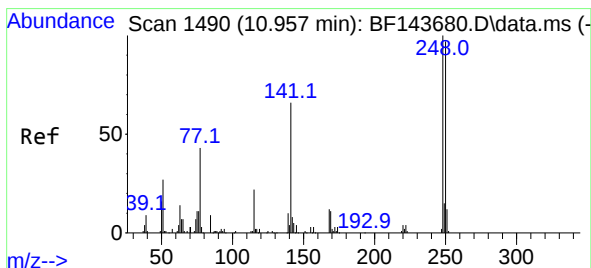
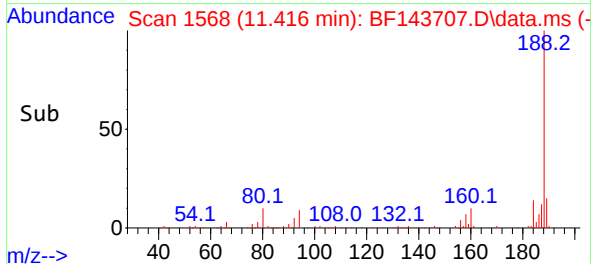
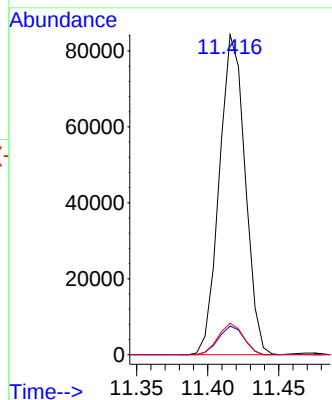
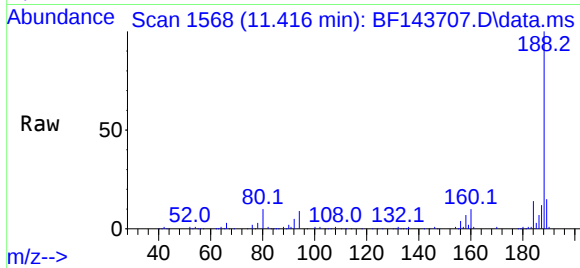




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

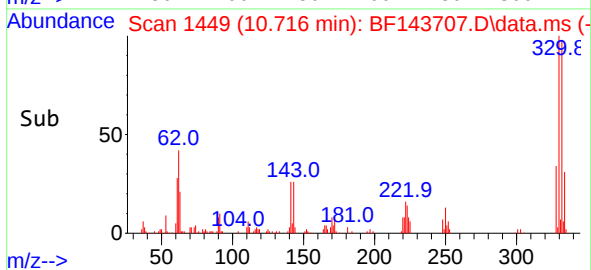
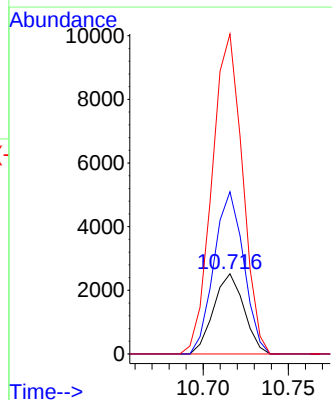
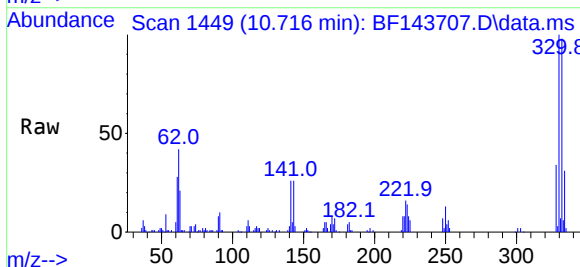
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

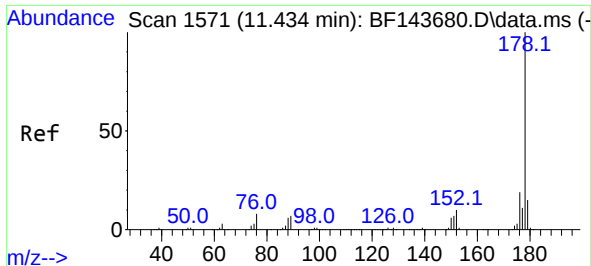
Tgt Ion:188 Resp: 106237
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.0
80 9.8 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 2.437 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.241 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:248 Resp: 3122
Ion Ratio Lower Upper
248 100
250 202.2 77.5 116.3#
141 398.9 52.6 79.0#

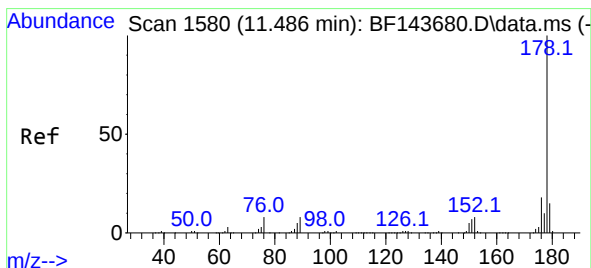
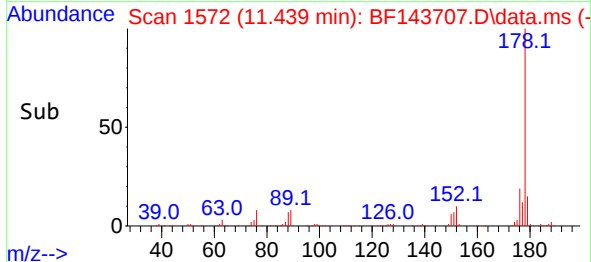
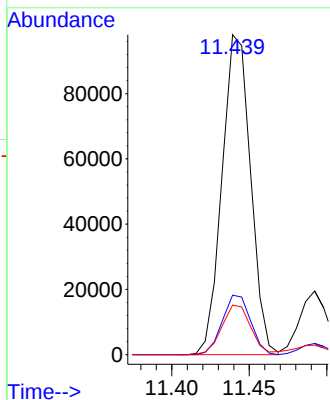
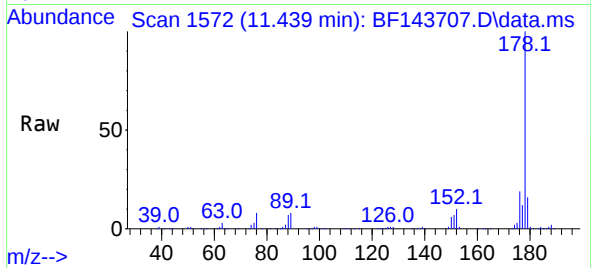




#71
Phenanthrene
Concen: 21.512 ng
RT: 11.439 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

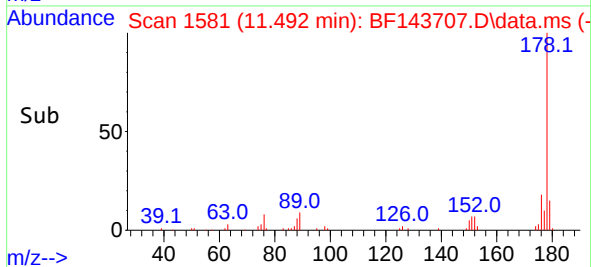
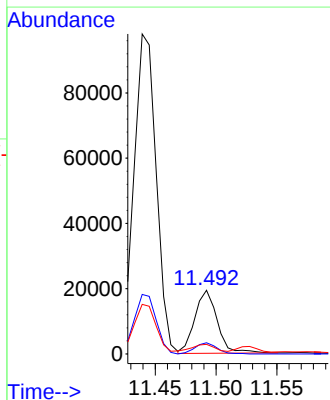
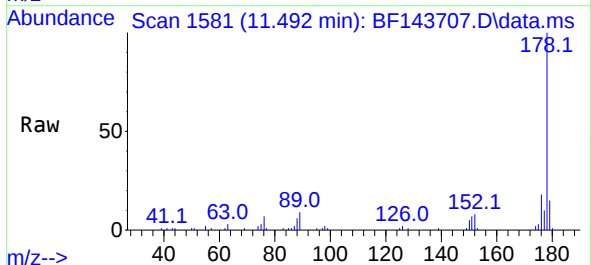
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

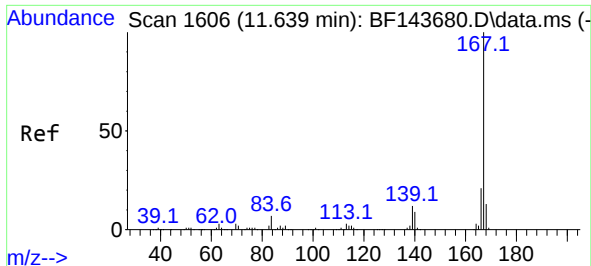
Tgt Ion:178 Resp: 125919
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.5 12.2 18.2



#72
Anthracene
Concen: 4.217 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:178 Resp: 24821
Ion Ratio Lower Upper
178 100
176 17.7 14.5 21.7
179 15.0 12.2 18.2

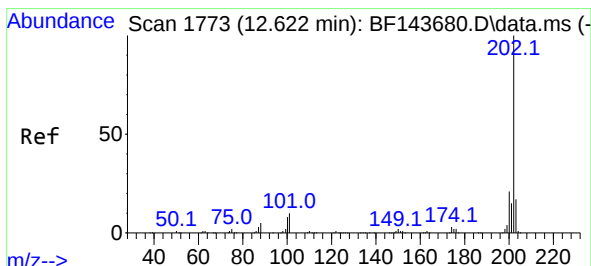
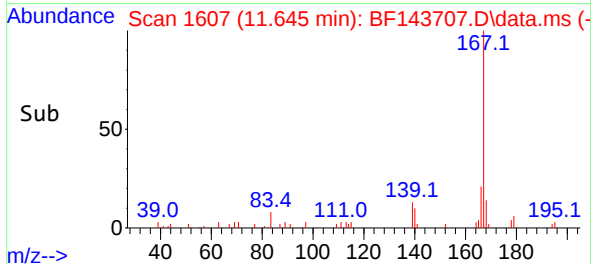
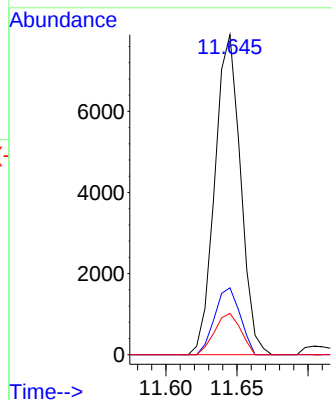
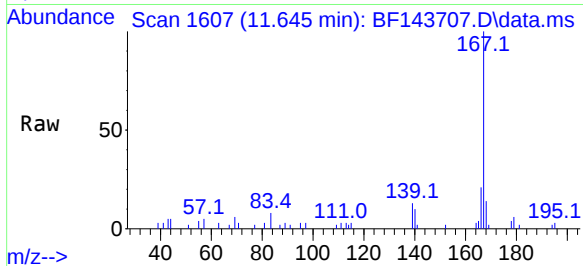




#73
 Carbazole
 Concen: 2.058 ng
 RT: 11.645 min Scan# 1606
 Delta R.T. 0.006 min
 Lab File: BF143707.D
 Acq: 11 Sep 2025 15:32

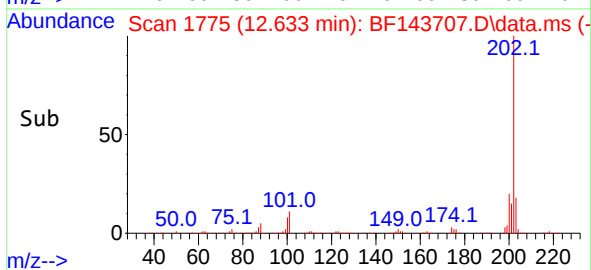
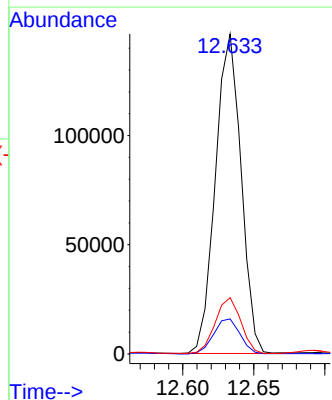
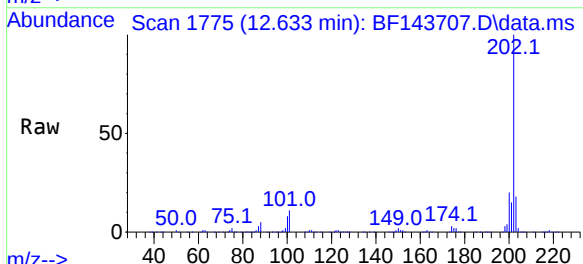
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-090925

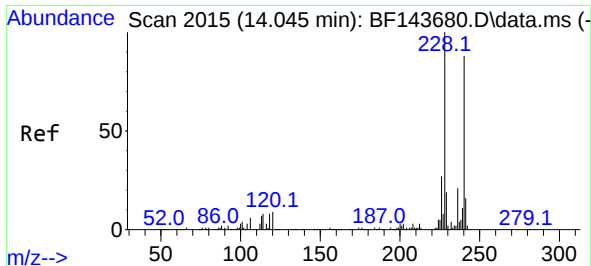
Tgt Ion:	167	Resp:	9920
Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	12.9	9.7	14.5



#75
 Fluoranthene
 Concen: 34.126 ng
 RT: 12.633 min Scan# 1775
 Delta R.T. 0.012 min
 Lab File: BF143707.D
 Acq: 11 Sep 2025 15:32

Tgt Ion:	202	Resp:	183380
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.5
203	17.6	0.0	37.1

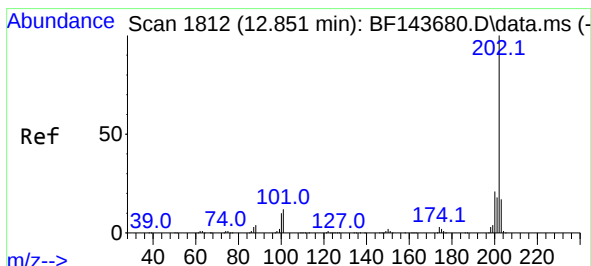
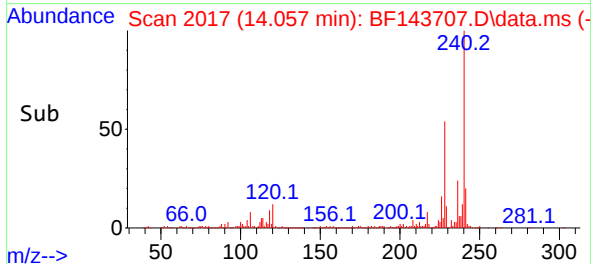
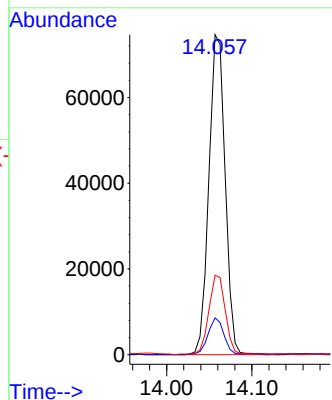
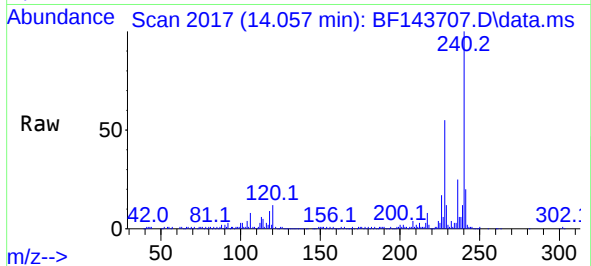




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

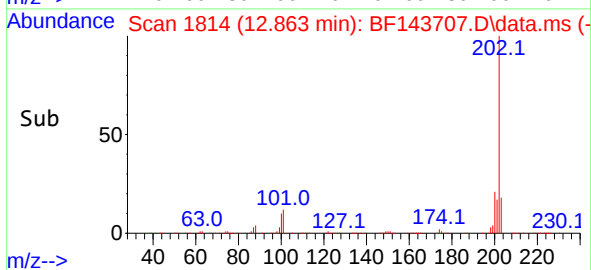
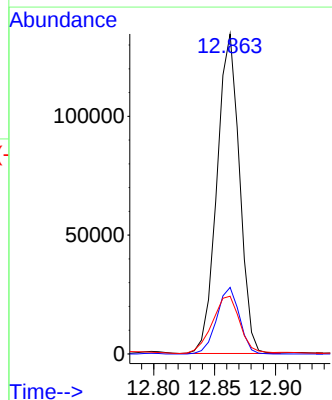
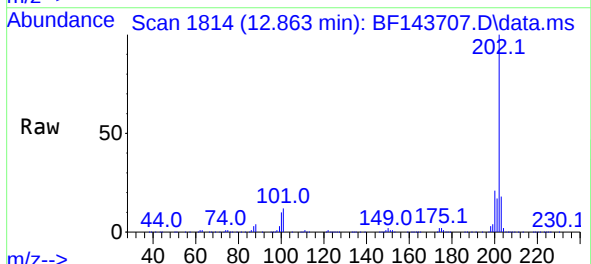
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

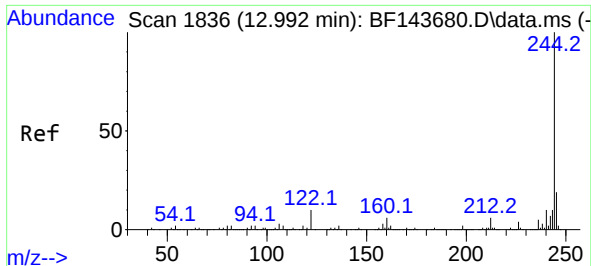
Tgt Ion:240 Resp: 99143
Ion Ratio Lower Upper
240 100
120 11.5 8.4 12.6
236 24.8 18.6 28.0



#78
Pyrene
Concen: 21.856 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.012 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:202 Resp: 173252
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 18.0 13.5 20.3

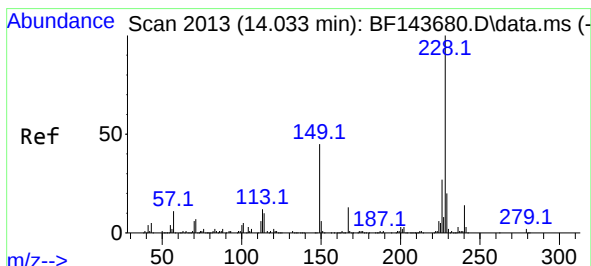
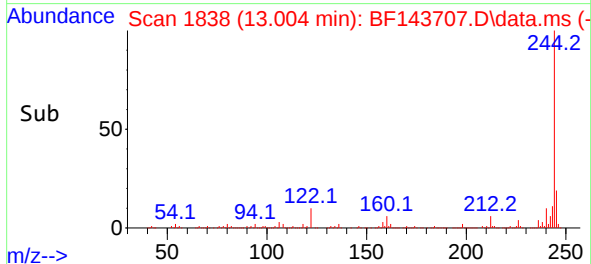
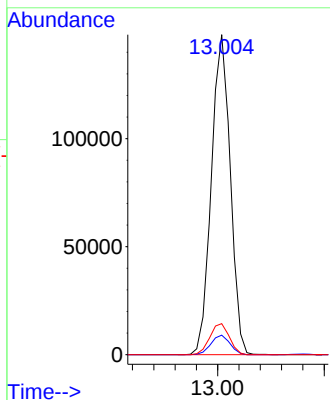
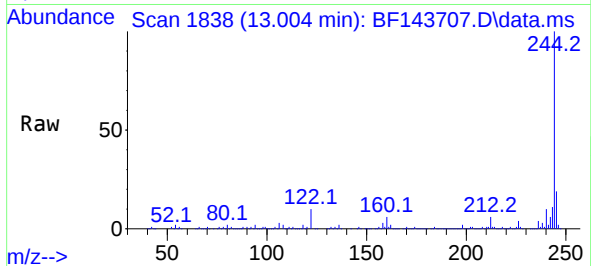




#79
Terphenyl-d14
Concen: 29.799 ng
RT: 13.004 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

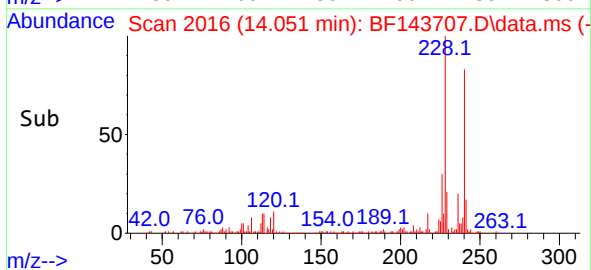
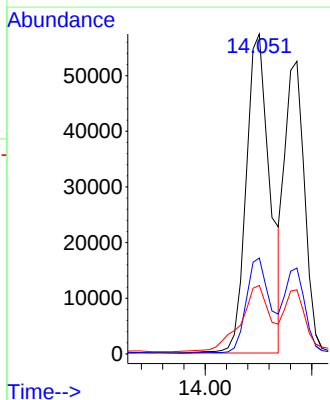
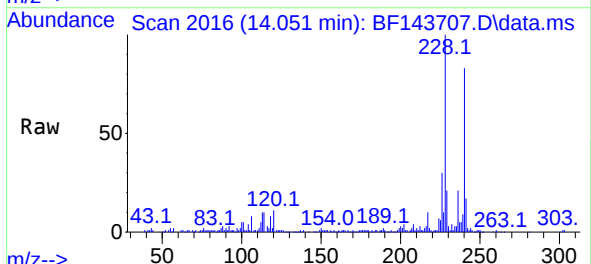
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

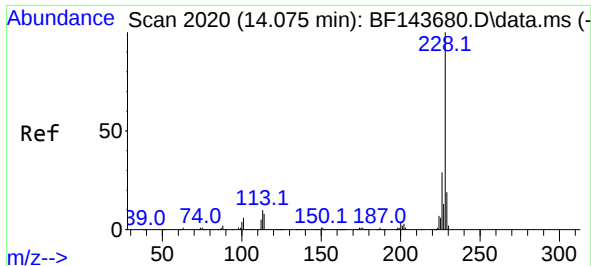
Tgt Ion:244 Resp: 182307
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.6
122 9.7 7.9 11.9



#81
Benzo(a)anthracene
Concen: 13.921 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.018 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:228 Resp: 88794
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 21.4 15.7 23.5

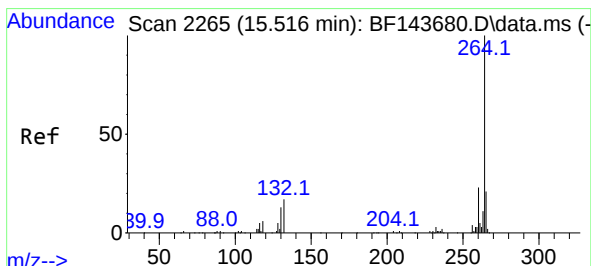
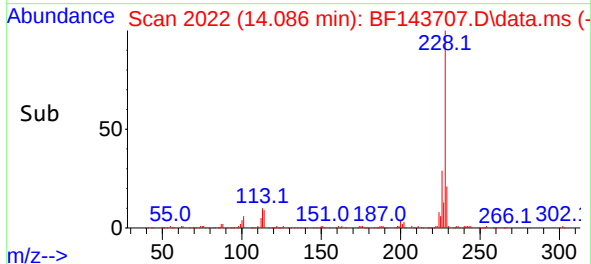
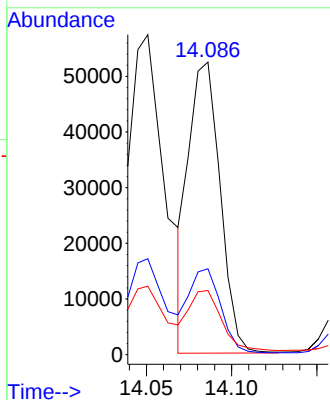
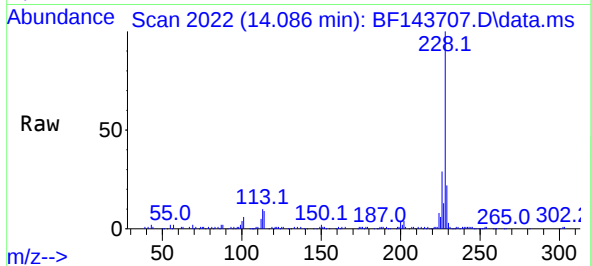




#83
Chrysene
Concen: 11.529 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.012 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

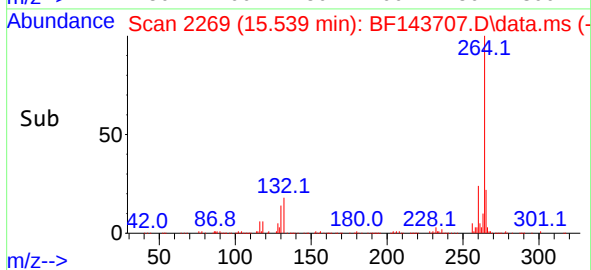
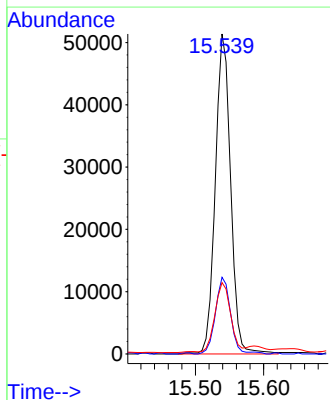
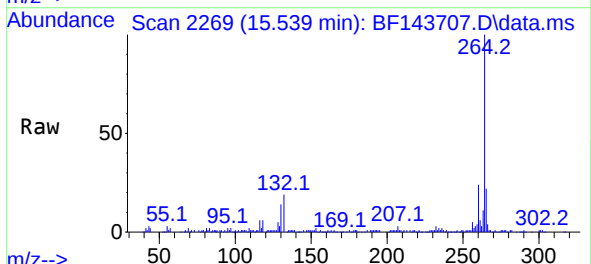
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

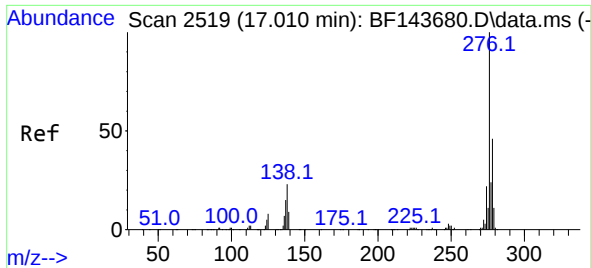
Tgt Ion:228	Resp: 67350
Ion Ratio	Lower Upper
228	100
226	29.4 22.7 34.1
229	21.9 15.1 22.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.023 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:264	Resp: 80377
Ion Ratio	Lower Upper
264	100
260	24.0 18.4 27.6
265	22.3 17.1 25.7

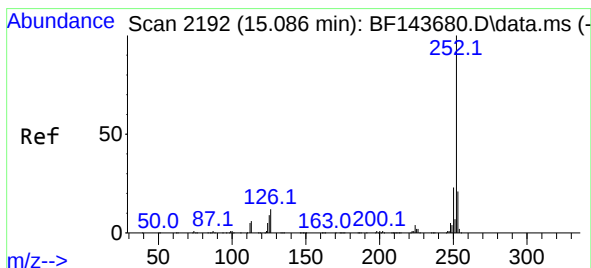
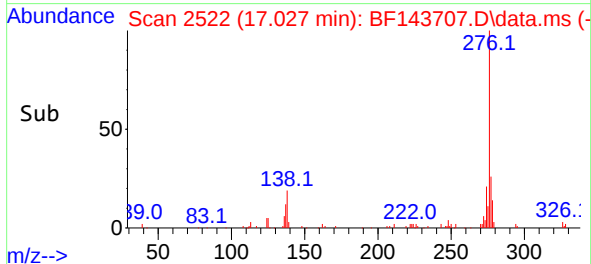
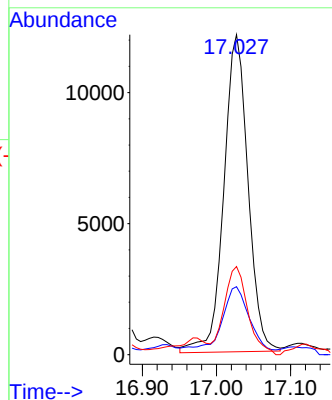
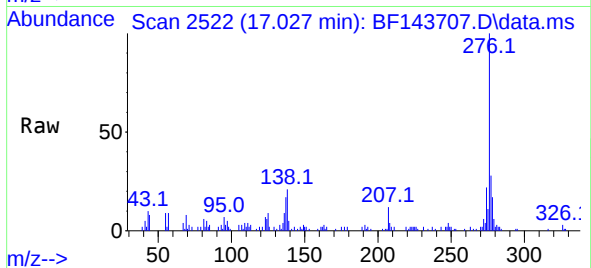




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.006 ng
RT: 17.027 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

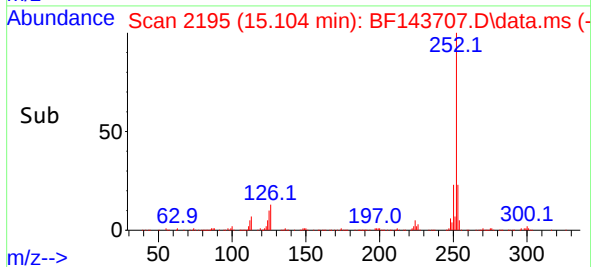
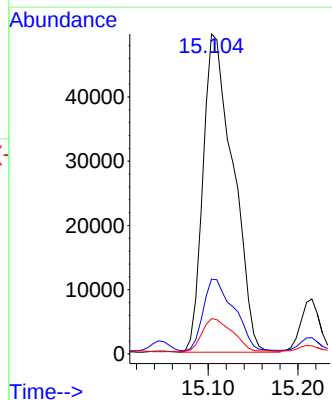
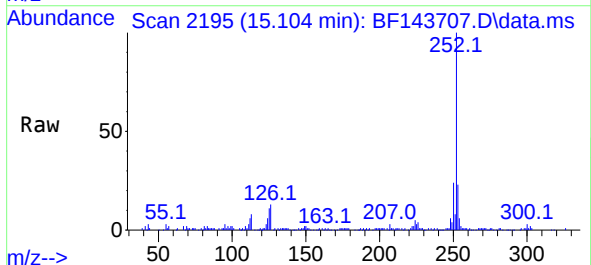
Instrument :
BNA_F
ClientSampleId :
OR-03-090925

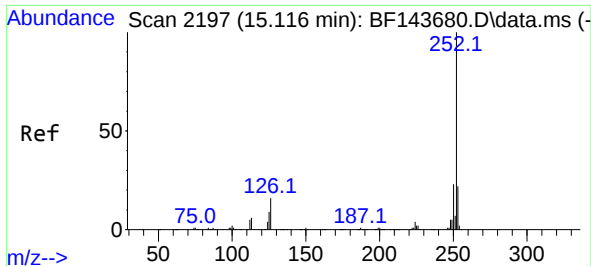
Tgt Ion:	276	Resp:	27463
Ion Ratio	Lower	Upper	
276	100		
138	23.5	19.7	29.5
277	26.9	20.2	30.2



#88
Benzo(b)fluoranthene
Concen: 24.155 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.017 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:	252	Resp:	115573
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.4
125	11.0	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 26.764 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Instrument :

BNA_F

ClientSampleId :

OR-03-090925

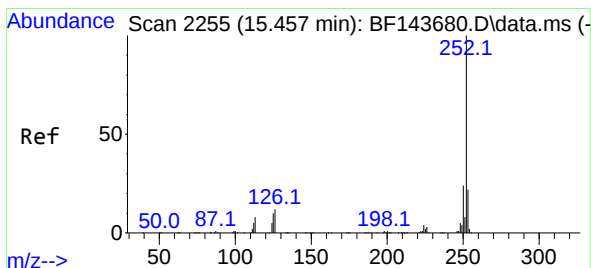
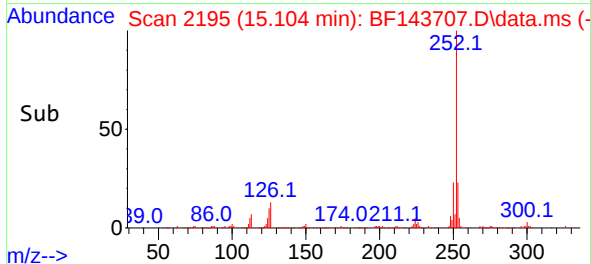
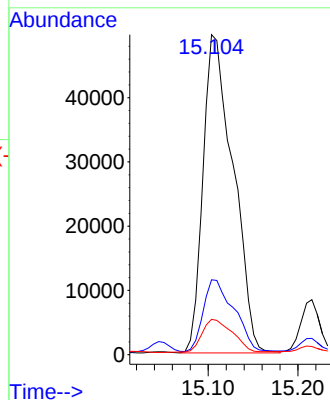
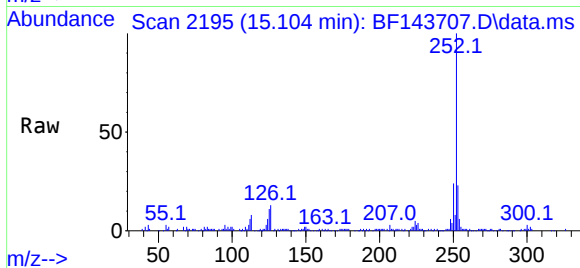
Tgt Ion:252 Resp: 115573

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 11.0 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 13.421 ng

RT: 15.474 min Scan# 2258

Delta R.T. 0.017 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

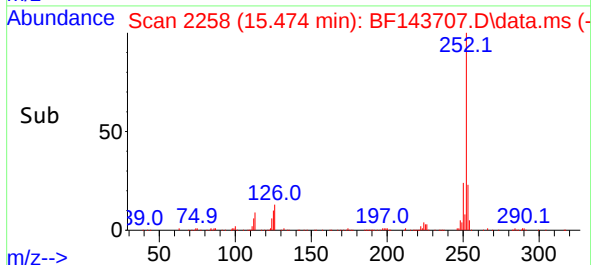
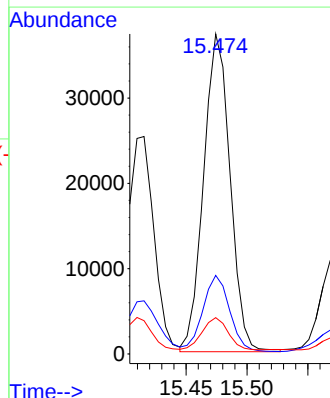
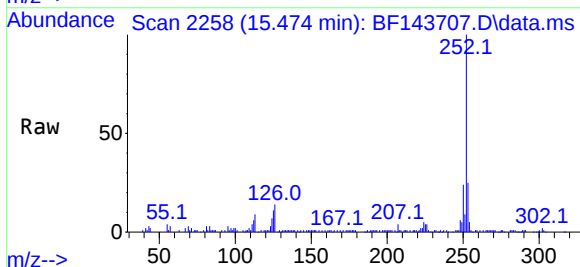
Tgt Ion:252 Resp: 56417

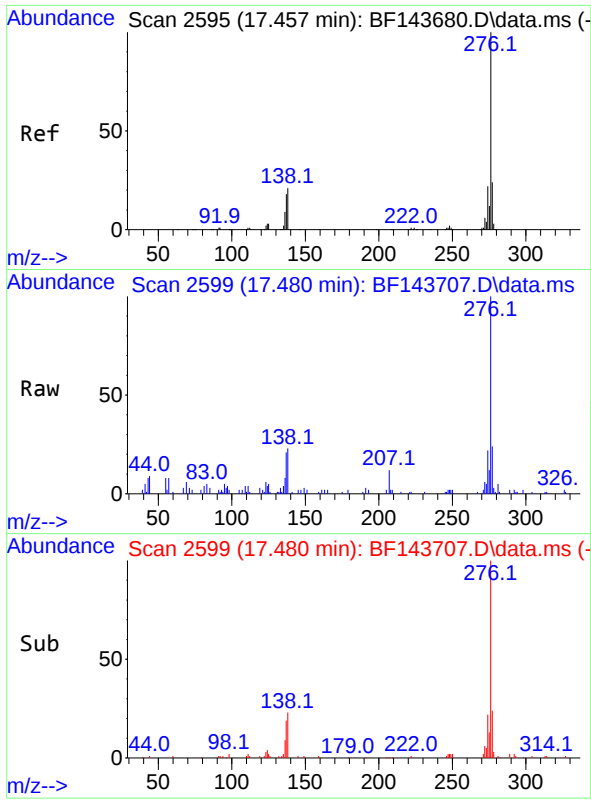
Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 11.4 8.2 12.4





#92
Benzo(g,h,i)perylene
Concen: 6.766 ng
RT: 17.480 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Instrument :
BNA_F
ClientSampleId :
OR-03-090925

Tgt Ion:	276	Resp:	28803
Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	22.6	17.0	25.4

