

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143851.D
 Acq On : 30 Sep 2025 23:59
 Operator : RC/JU
 Sample : Q3240-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-092925

Quant Time: Oct 01 02:41:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

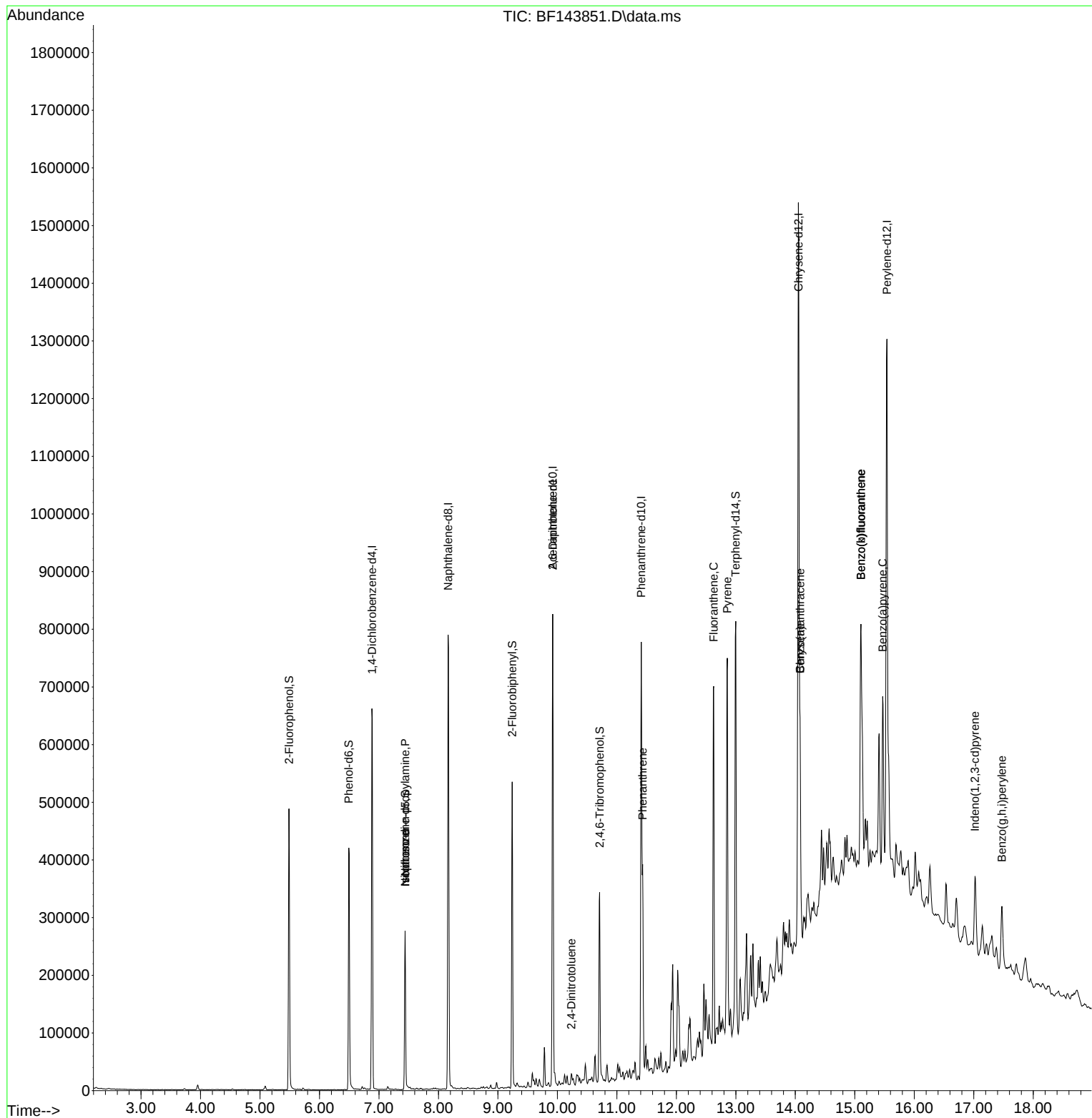
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	140617	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	498148	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	242637	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	395225	20.000	ng	0.00
76) Chrysene-d12	14.057	240	595953	20.000	ng	0.00
86) Perylene-d12	15.539	264	676128	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	169261	19.557	ng	-0.01
7) Phenol-d6	6.492	99	194728	19.472	ng	-0.02
23) Nitrobenzene-d5	7.439	82	108474	13.329	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	88719	24.695	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	238864	15.362	ng	0.00
79) Terphenyl-d14	12.998	244	410131	13.996	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	15216	2.366	ng	# 71
25) Isophorone	7.439	82	105687	6.664	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	32106	13.214	ng	# 17
57) 2,4-Dinitrotoluene	10.233	165	1233	3.241	ng	# 49
71) Phenanthrene	11.433	178	188118	9.271	ng	100
75) Fluoranthene	12.627	202	374620	18.357	ng	99
78) Pyrene	12.857	202	395135	13.486	ng	99
81) Benzo(a)anthracene	14.080	228	223075	6.968	ng	94
83) Chrysene	14.080	228	223075	7.700	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	122148	2.381	ng	96
88) Benzo(b)fluoranthene	15.104	252	450620	13.087	ng	# 96
89) Benzo(k)fluoranthene	15.104	252	450620	13.027	ng	96
90) Benzo(a)pyrene	15.468	252	228827	7.070	ng	97
92) Benzo(g,h,i)perylene	17.474	276	123089	3.043	ng	98

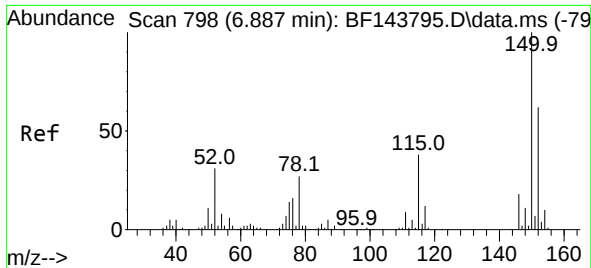
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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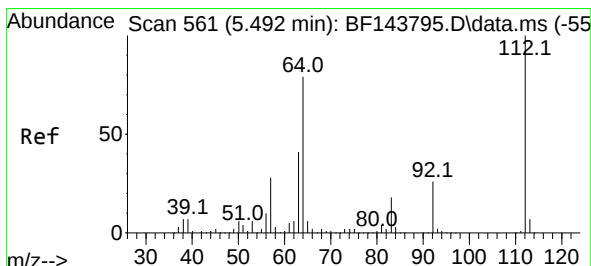
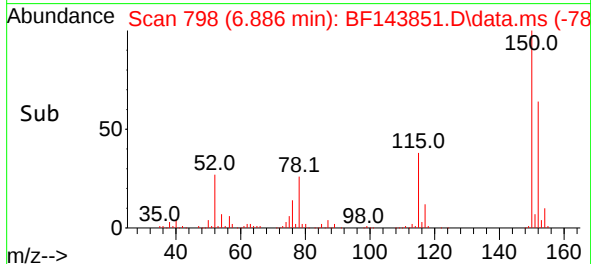
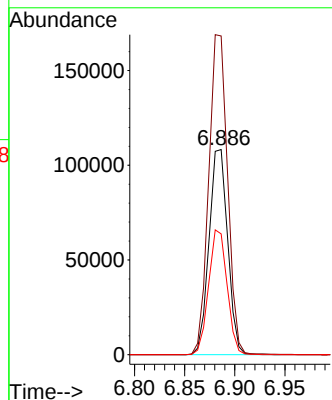
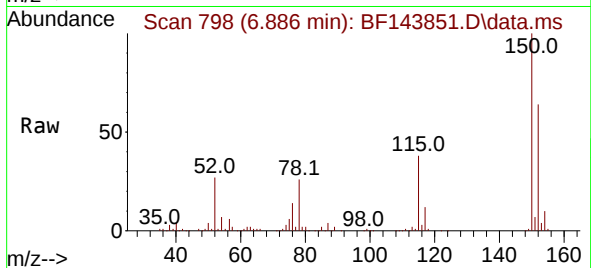




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 79
 Delta R.T. -0.001 min
 Lab File: BF143851.D
 Acq: 30 Sep 2025 23:59

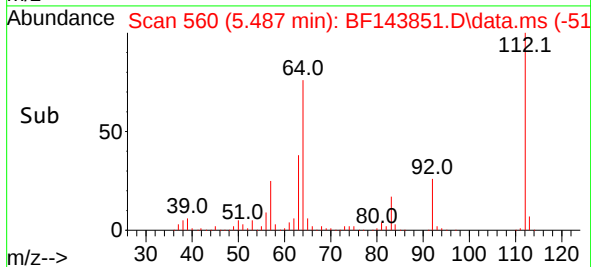
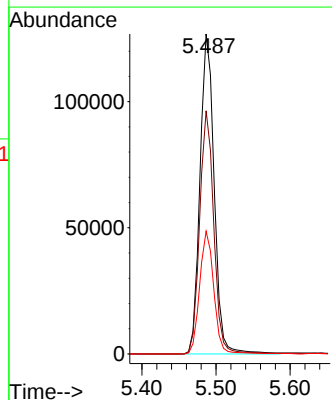
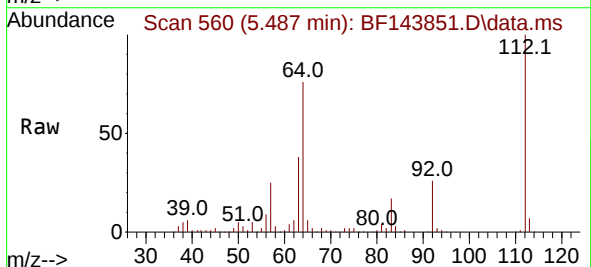
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-092925

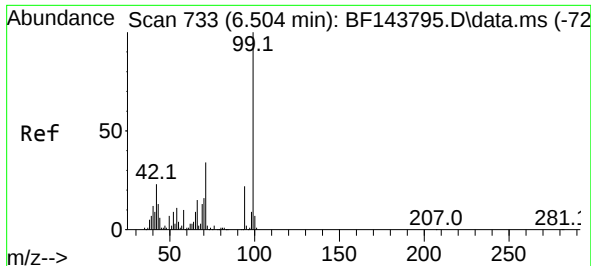
Tgt Ion:152 Resp: 140617
 Ion Ratio Lower Upper
 152 100
 150 155.4 129.6 194.4
 115 58.9 49.0 73.4



#5
 2-Fluorophenol
 Concen: 19.557 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.011 min
 Lab File: BF143851.D
 Acq: 30 Sep 2025 23:59

Tgt Ion:112 Resp: 169261
 Ion Ratio Lower Upper
 112 100
 64 76.0 63.0 94.4
 63 38.4 32.6 49.0

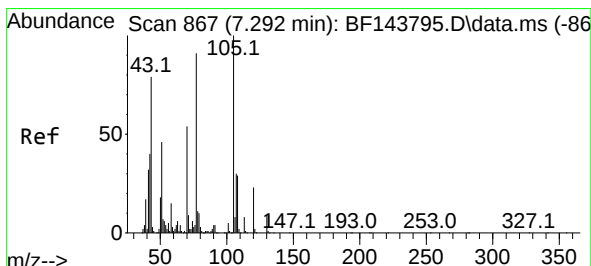
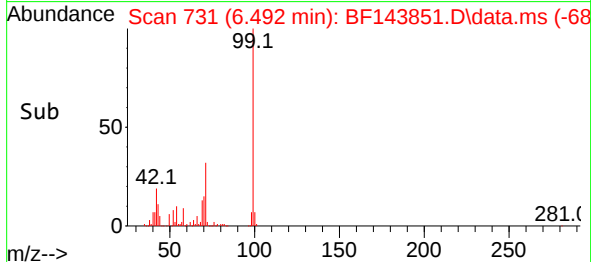
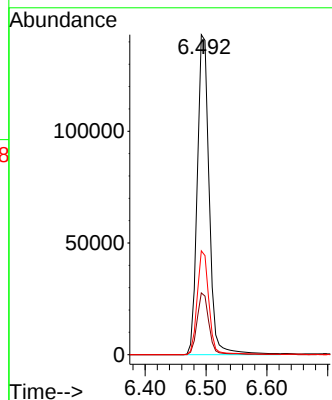
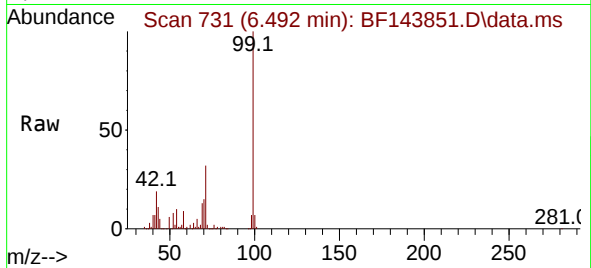




#7
Phenol-d6
Concen: 19.472 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

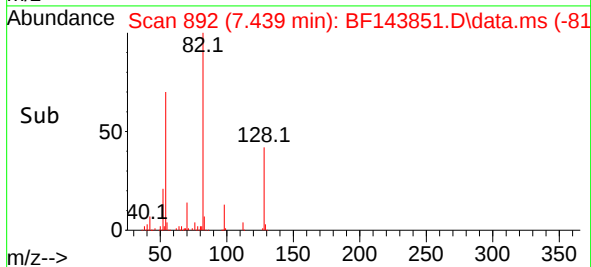
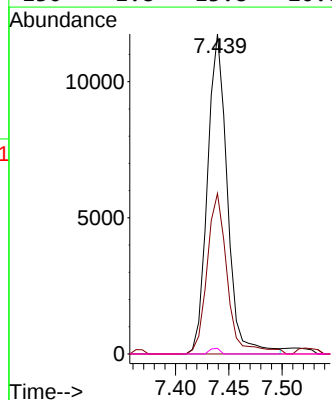
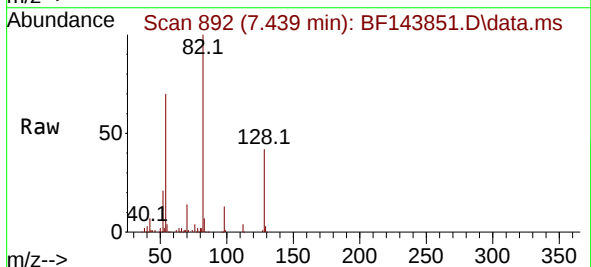
Instrument :
BNA_F
ClientSampleId :
OK-02-092925

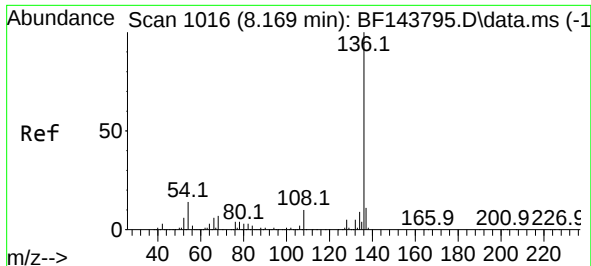
Tgt Ion: 99 Resp: 194728
Ion Ratio Lower Upper
99 100
42 19.3 18.6 28.0
71 32.5 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.366 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion: 70 Resp: 15216
Ion Ratio Lower Upper
70 100
42 50.1 59.4 89.0#
101 0.0 7.1 10.7#
130 1.8 13.8 20.8#

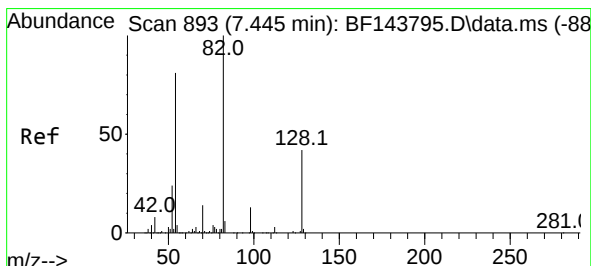
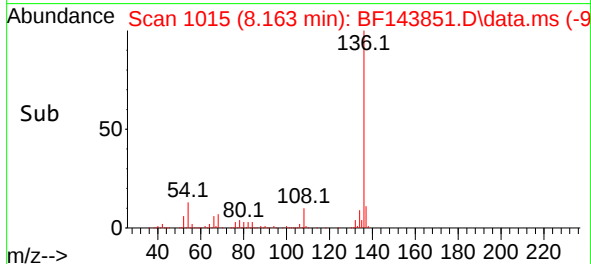
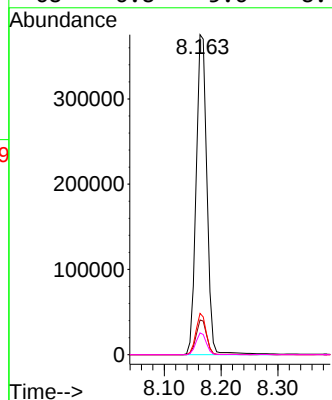
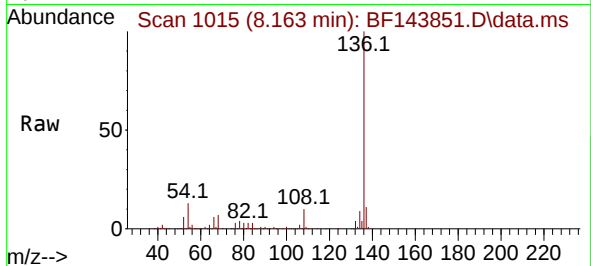




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

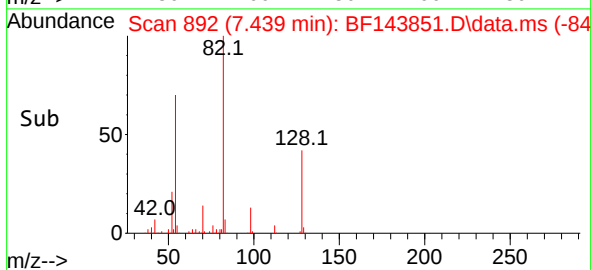
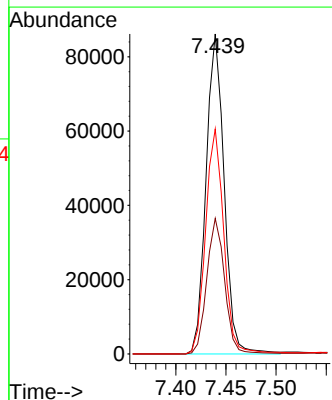
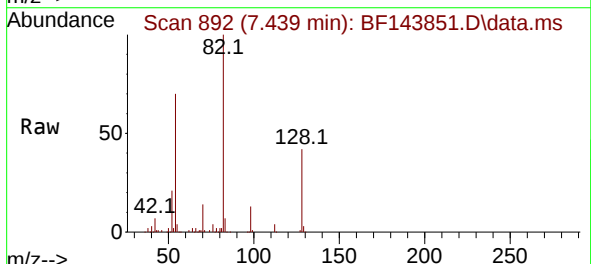
Instrument :
BNA_F
ClientSampleId :
OK-02-092925

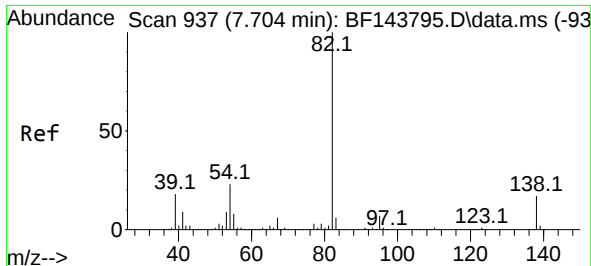
Tgt Ion:136 Resp: 498148
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 12.9 11.2 16.8
68 6.8 5.6 8.4



#23
Nitrobenzene-d5
Concen: 13.329 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion: 82 Resp: 108474
Ion Ratio Lower Upper
82 100
128 42.4 33.3 49.9
54 70.3 64.2 96.4

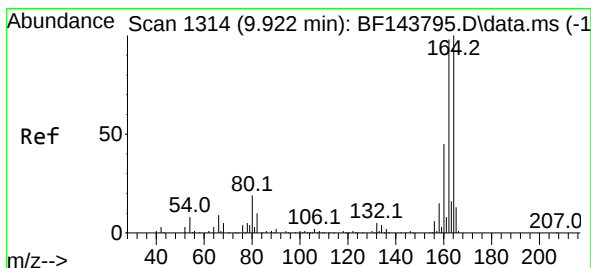
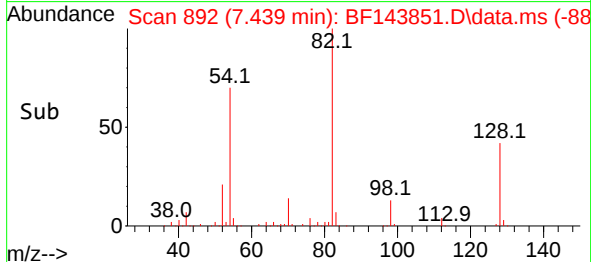
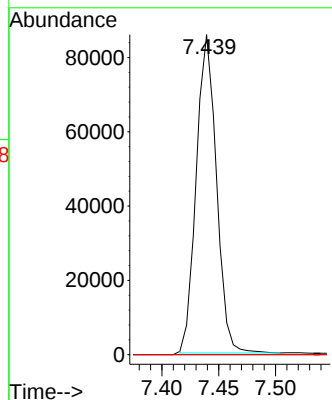
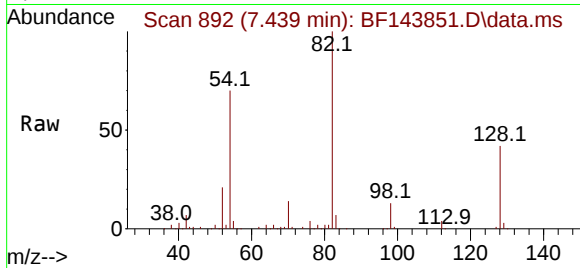




#25
Isophorone
Concen: 6.664 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.271 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

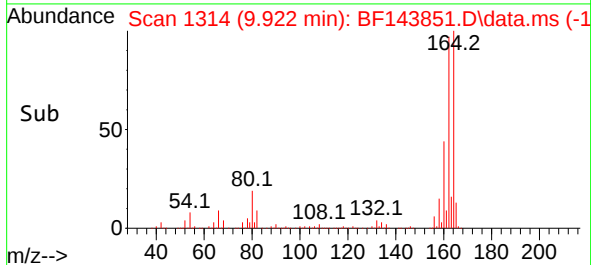
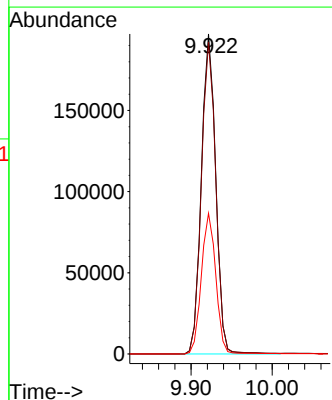
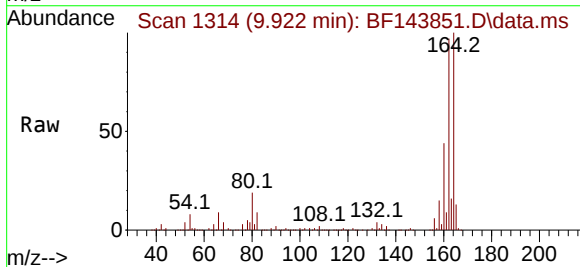
Instrument :
BNA_F
ClientSampleId :
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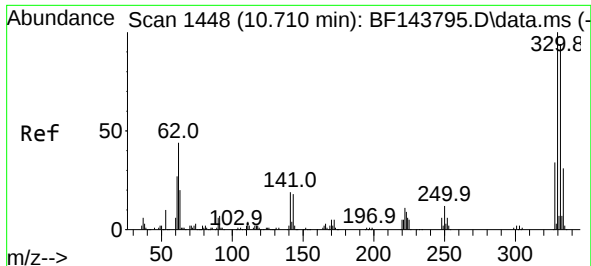
Tgt Ion: 82 Resp: 105687
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion:164 Resp: 242637
Ion Ratio Lower Upper
164 100
162 97.5 78.8 118.2
160 44.0 35.8 53.6

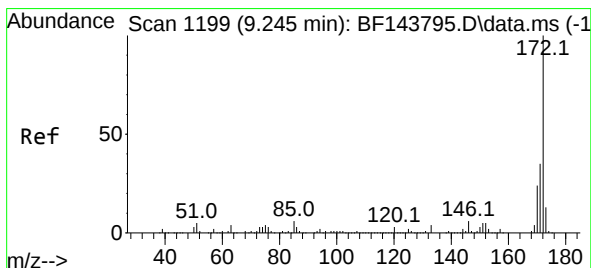
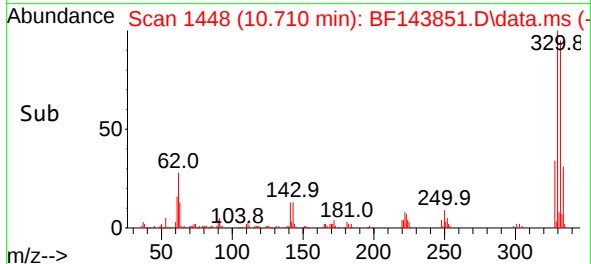
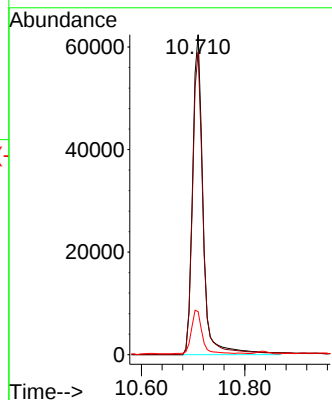
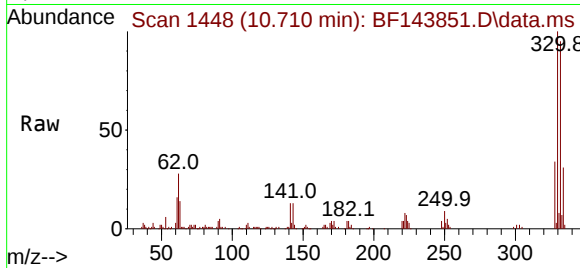




#42
2,4,6-Tribromophenol
Concen: 24.695 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

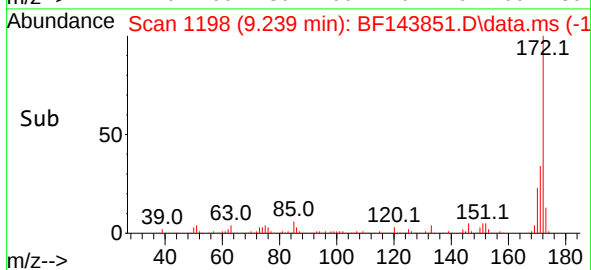
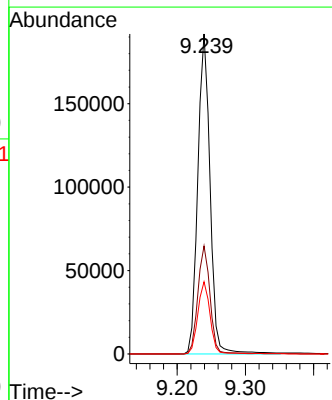
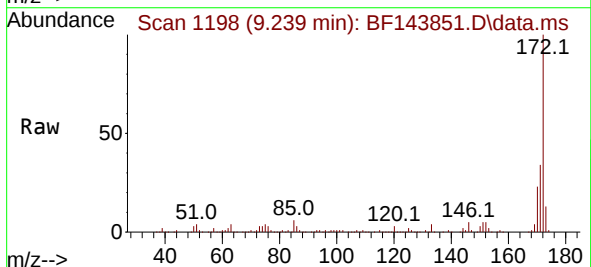
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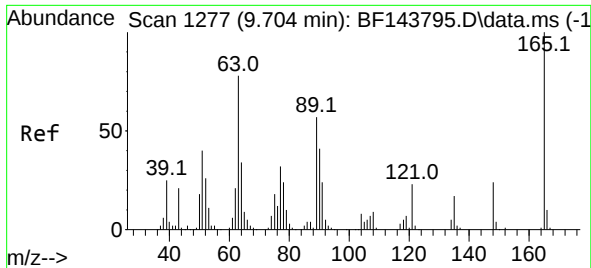
Tgt Ion:330 Resp: 88719
Ion Ratio Lower Upper
330 100
332 94.2 74.7 112.1
141 13.8 14.3 21.5#



#45
2-Fluorobiphenyl
Concen: 15.362 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion:172 Resp: 238864
Ion Ratio Lower Upper
172 100
171 33.8 27.9 41.9
170 22.6 19.1 28.7

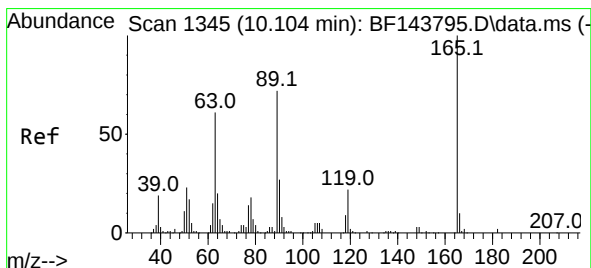
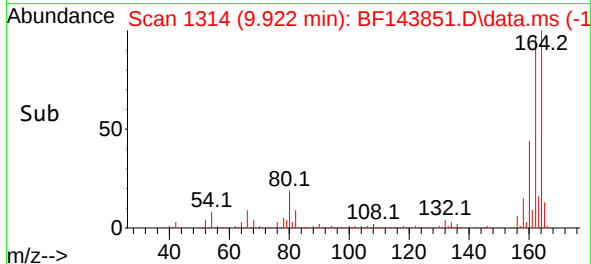
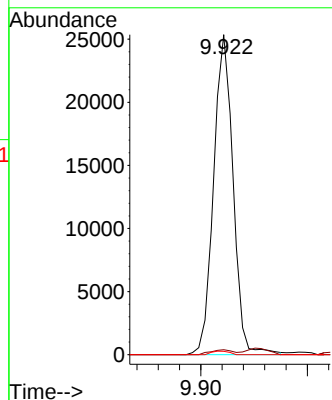
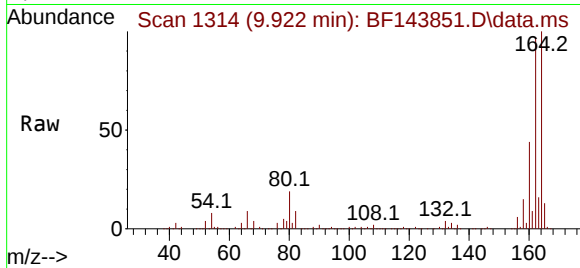




#51
2,6-Dinitrotoluene
Concen: 13.214 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

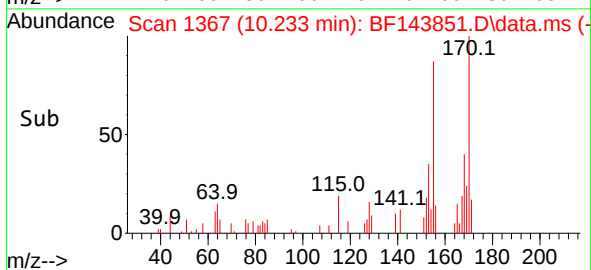
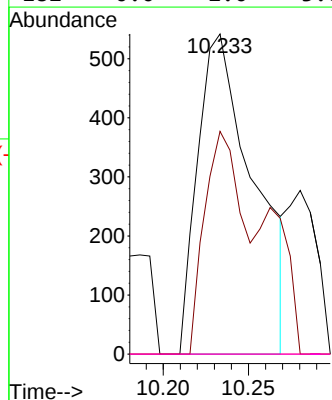
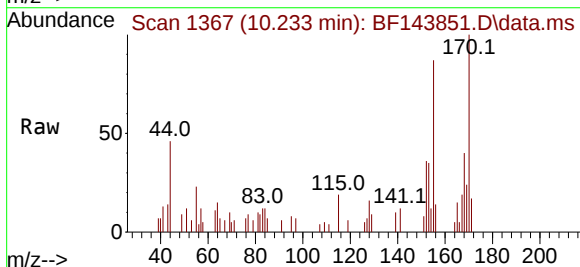
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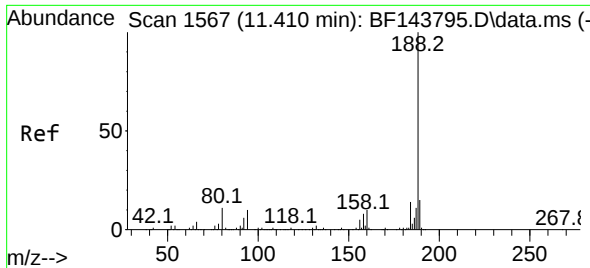
Tgt Ion:165 Resp: 32106
Ion Ratio Lower Upper
165 100
63 1.5 62.6 94.0#
89 1.1 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 3.241 ng
RT: 10.233 min Scan# 1367
Delta R.T. 0.123 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion:165 Resp: 1233
Ion Ratio Lower Upper
165 100
63 69.6 48.9 73.3
89 0.0 57.5 86.3#
182 0.0 2.0 3.0#

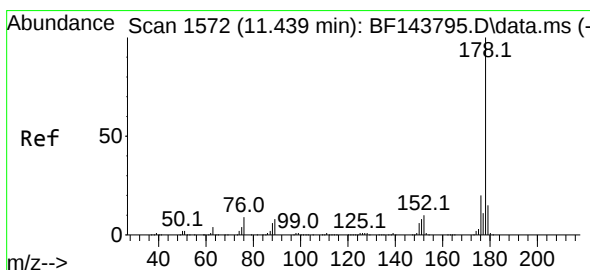
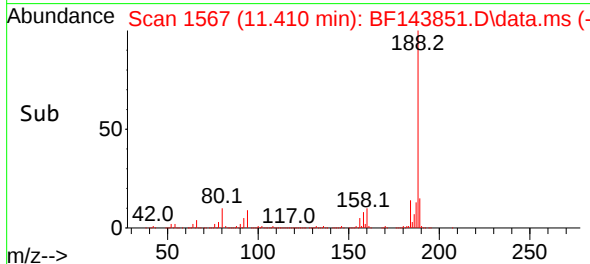
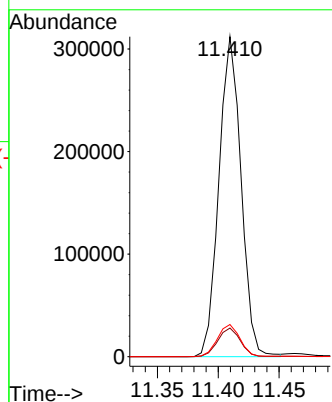
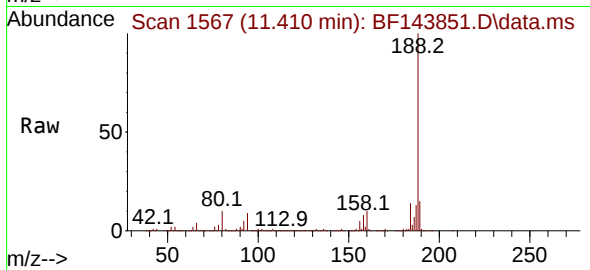




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

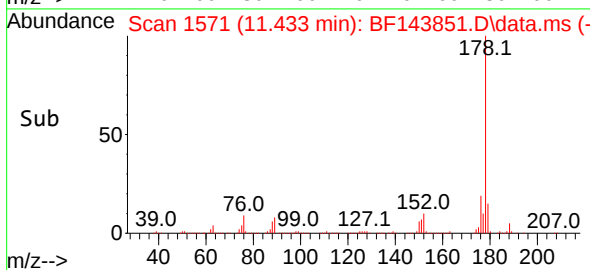
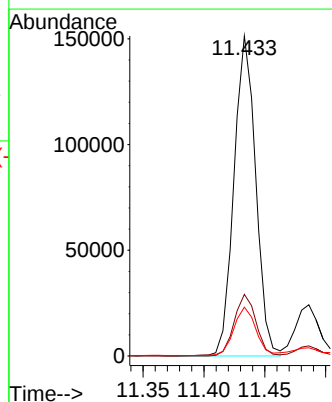
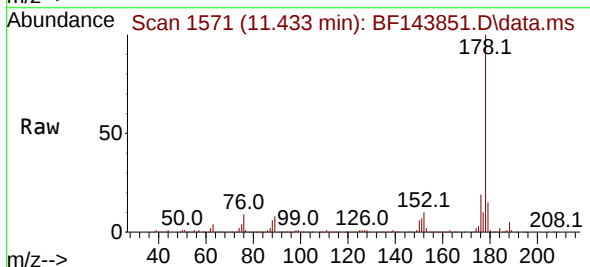
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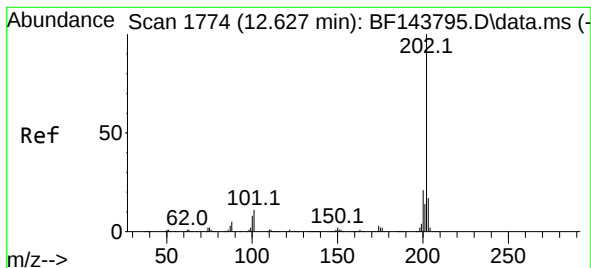
Tgt Ion:188 Resp: 395225
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 10.1 8.6 12.8



#71
Phenanthrene
Concen: 9.271 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion:178 Resp: 188118
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.2 12.2 18.4





#75

Fluoranthene

Concen: 18.357 ng

RT: 12.627 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

Instrument :

BNA_F

ClientSampleId :

OK-02-092925

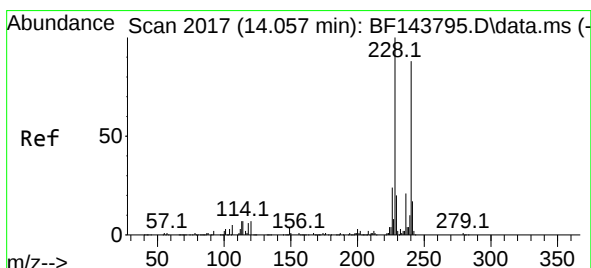
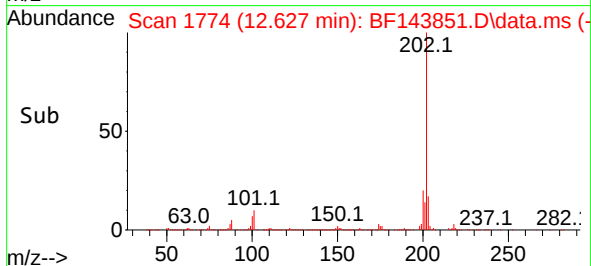
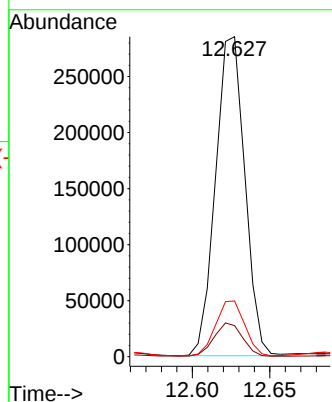
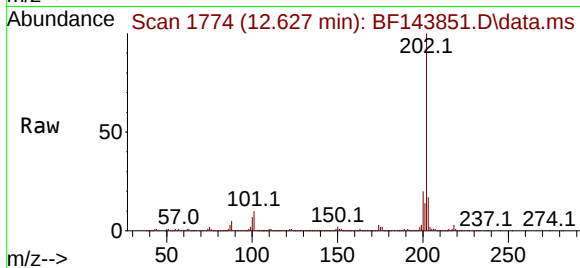
Tgt Ion:202 Resp: 374620

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.1

203 17.4 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

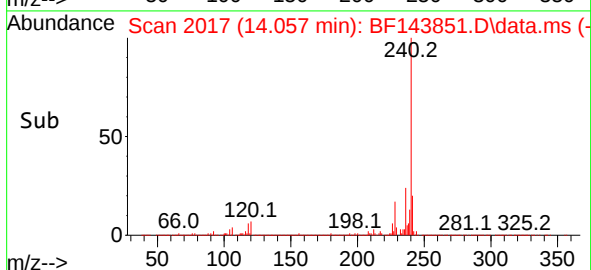
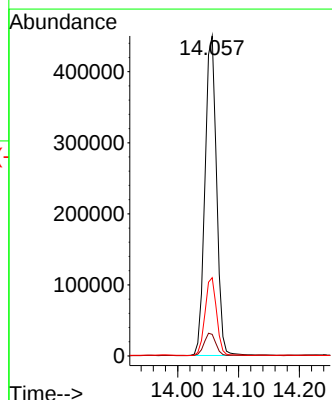
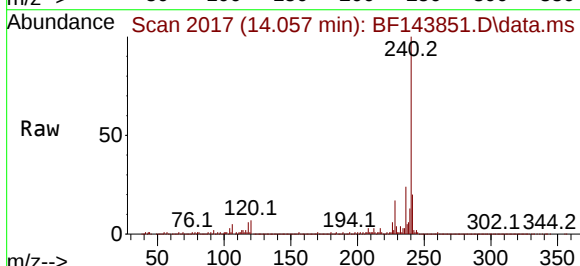
Tgt Ion:240 Resp: 595953

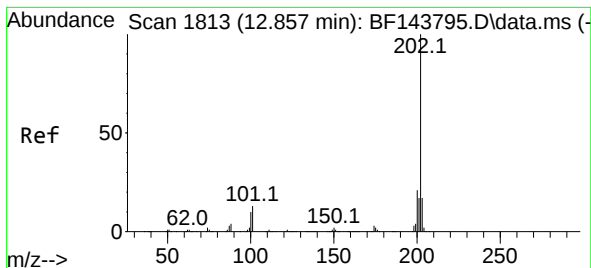
Ion Ratio Lower Upper

240 100

120 6.8 6.2 9.4

236 24.5 19.4 29.2





#78

Pyrene

Concen: 13.486 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

Instrument :

BNA_F

ClientSampleId :

OK-02-092925

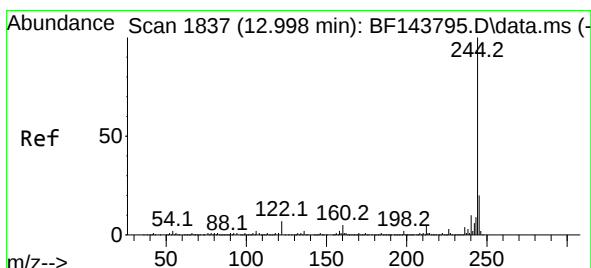
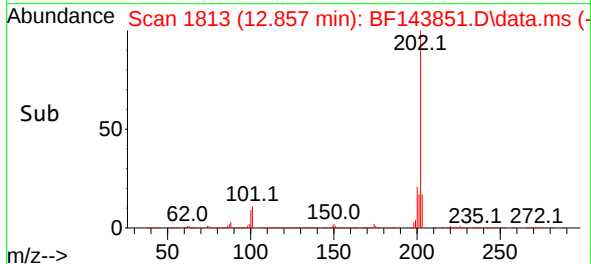
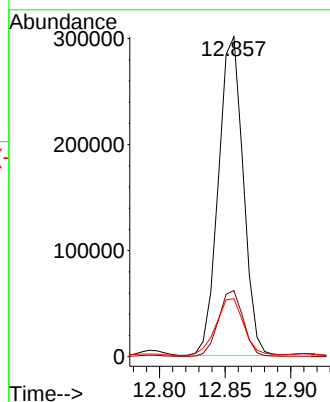
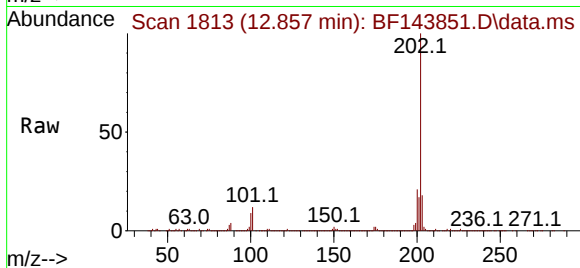
Tgt Ion:202 Resp: 395135

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 13.996 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

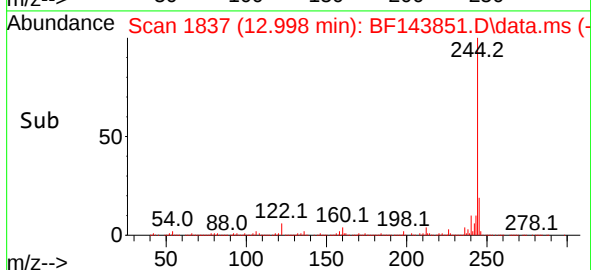
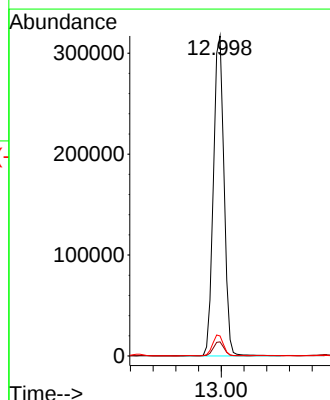
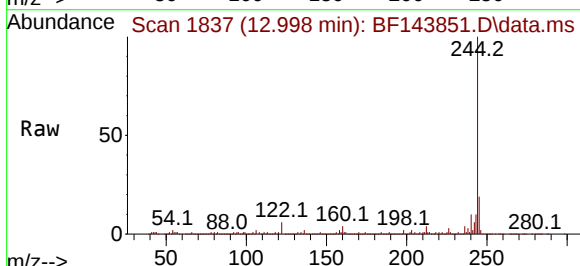
Tgt Ion:244 Resp: 410131

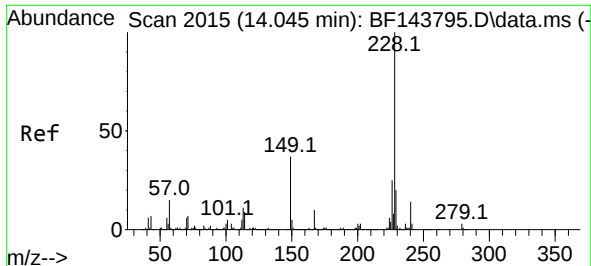
Ion Ratio Lower Upper

244 100

212 4.4 3.9 5.9

122 6.2 5.6 8.4

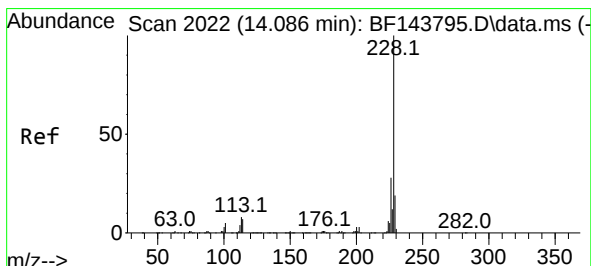
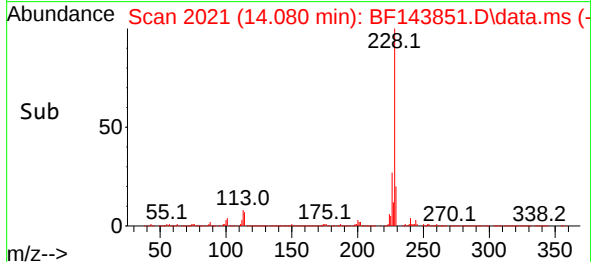
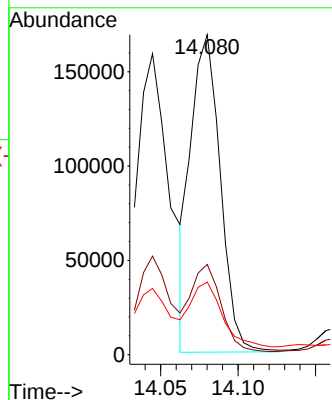
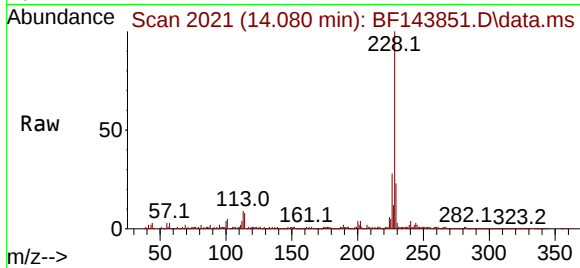




#81
Benzo(a)anthracene
Concen: 6.968 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.029 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

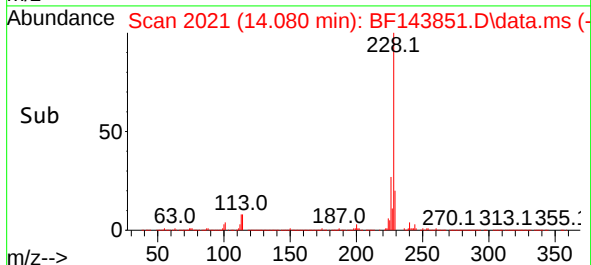
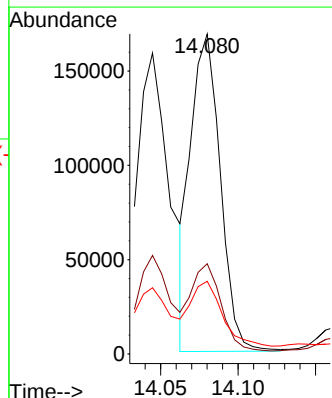
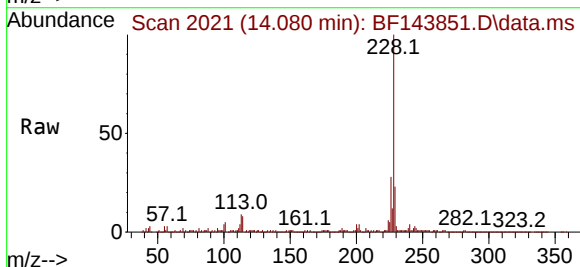
Instrument :
BNA_F
ClientSampleId :
OK-02-092925

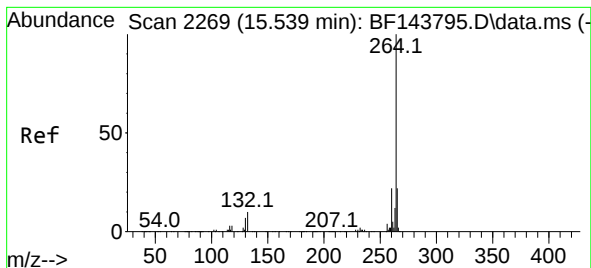
Tgt Ion:228 Resp: 223075
Ion Ratio Lower Upper
228 100
226 28.2 20.2 30.2
229 22.7 16.1 24.1



#83
Chrysene
Concen: 7.700 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion:228 Resp: 223075
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 22.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

Instrument :

BNA_F

ClientSampleId :

OK-02-092925

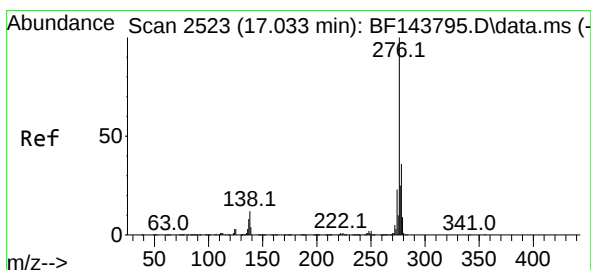
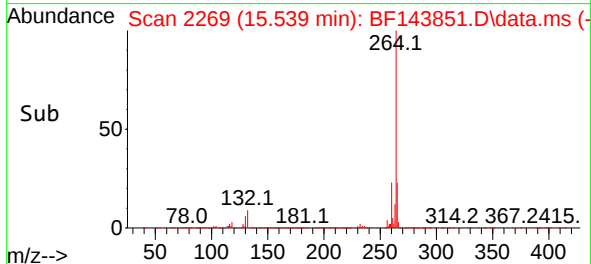
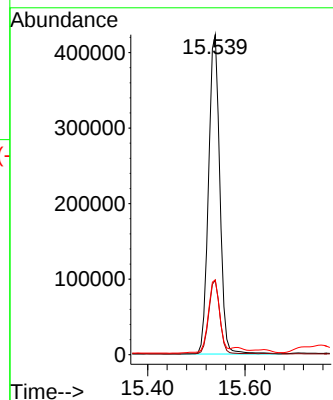
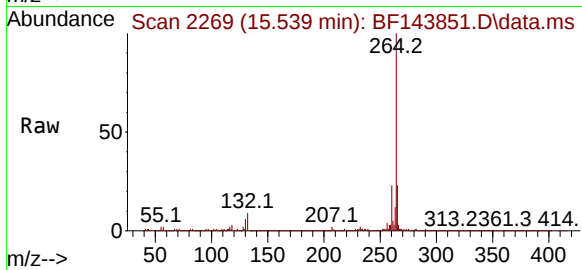
Tgt Ion:264 Resp: 676128

Ion Ratio Lower Upper

264 100

260 23.3 17.9 26.9

265 23.4 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.381 ng

RT: 17.021 min Scan# 2521

Delta R.T. -0.024 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

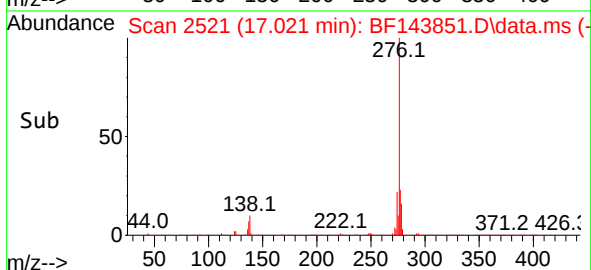
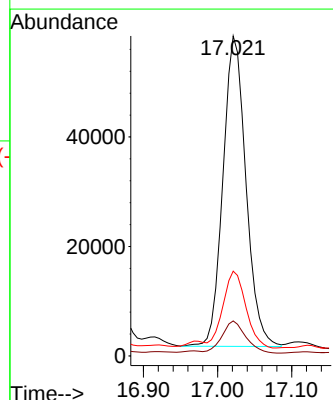
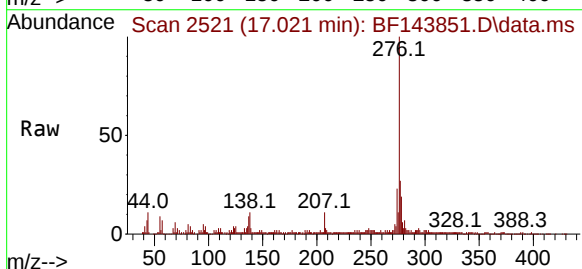
Tgt Ion:276 Resp: 122148

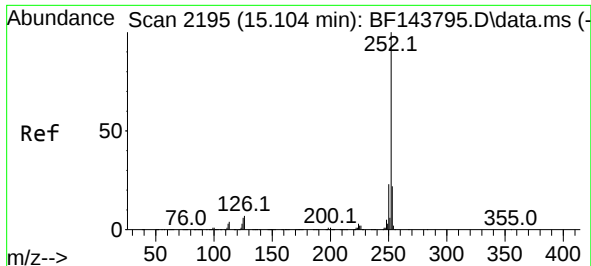
Ion Ratio Lower Upper

276 100

138 10.6 10.6 15.8

277 24.6 20.7 31.1

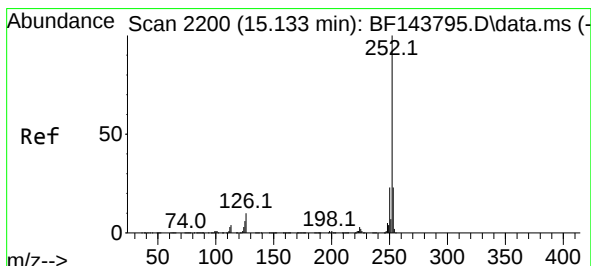
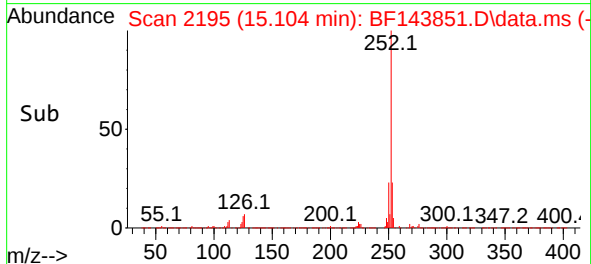
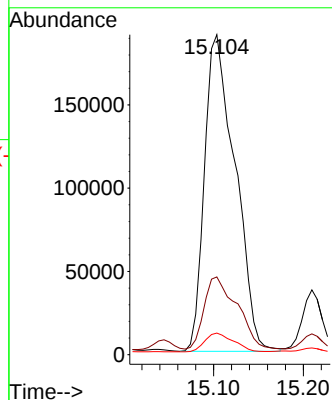
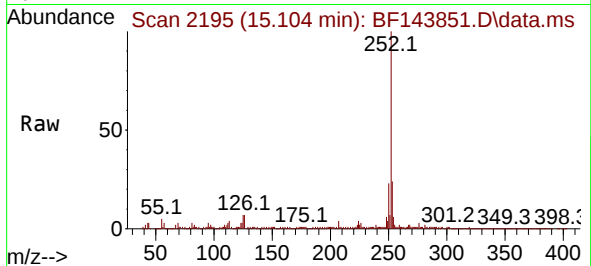




#88
Benzo(b)fluoranthene
Concen: 13.087 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

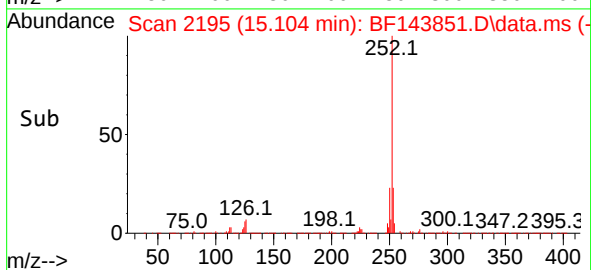
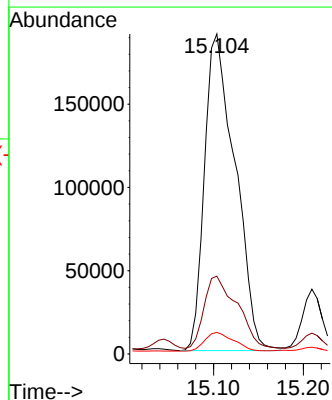
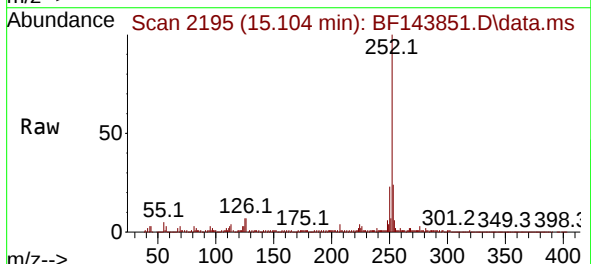
Instrument :
BNA_F
ClientSampleId :
OK-02-092925

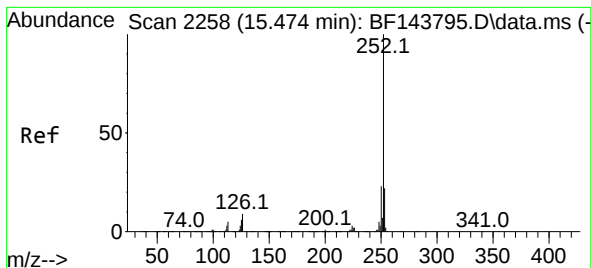
Tgt Ion:252 Resp: 450620
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 6.8 4.4 6.6#



#89
Benzo(k)fluoranthene
Concen: 13.027 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion:252 Resp: 450620
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 6.8 4.6 6.8





#90

Benzo(a)pyrene

Concen: 7.070 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

Instrument :

BNA_F

ClientSampleId :

OK-02-092925

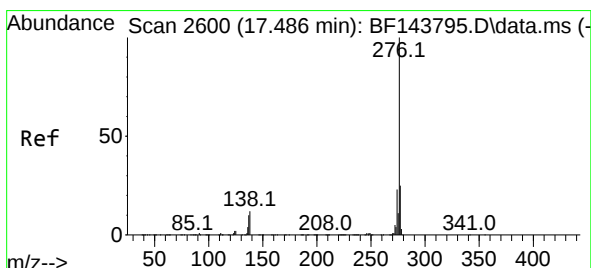
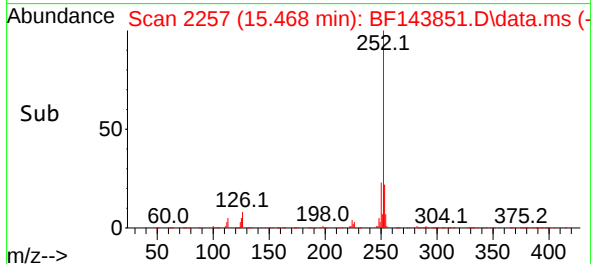
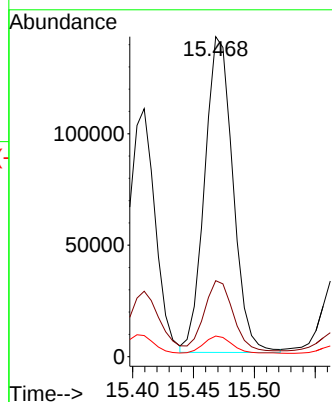
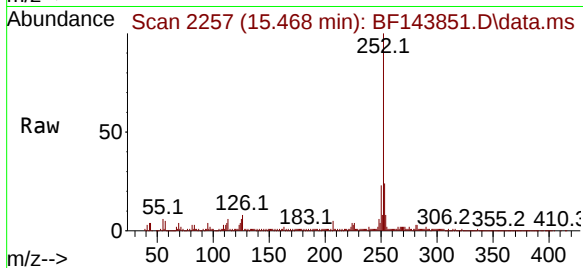
Tgt Ion:252 Resp: 228827

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 6.4 5.0 7.4



#92

Benzo(g,h,i)perylene

Concen: 3.043 ng

RT: 17.474 min Scan# 2598

Delta R.T. -0.029 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

Tgt Ion:276 Resp: 123089

Ion Ratio Lower Upper

276 100

277 25.8 19.6 29.4

138 11.5 9.2 13.8

