

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143302.D
 Acq On : 04 Aug 2025 18:03
 Operator : RC/JU
 Sample : Q2740-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-07312025DL

Quant Time: Aug 04 18:33:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

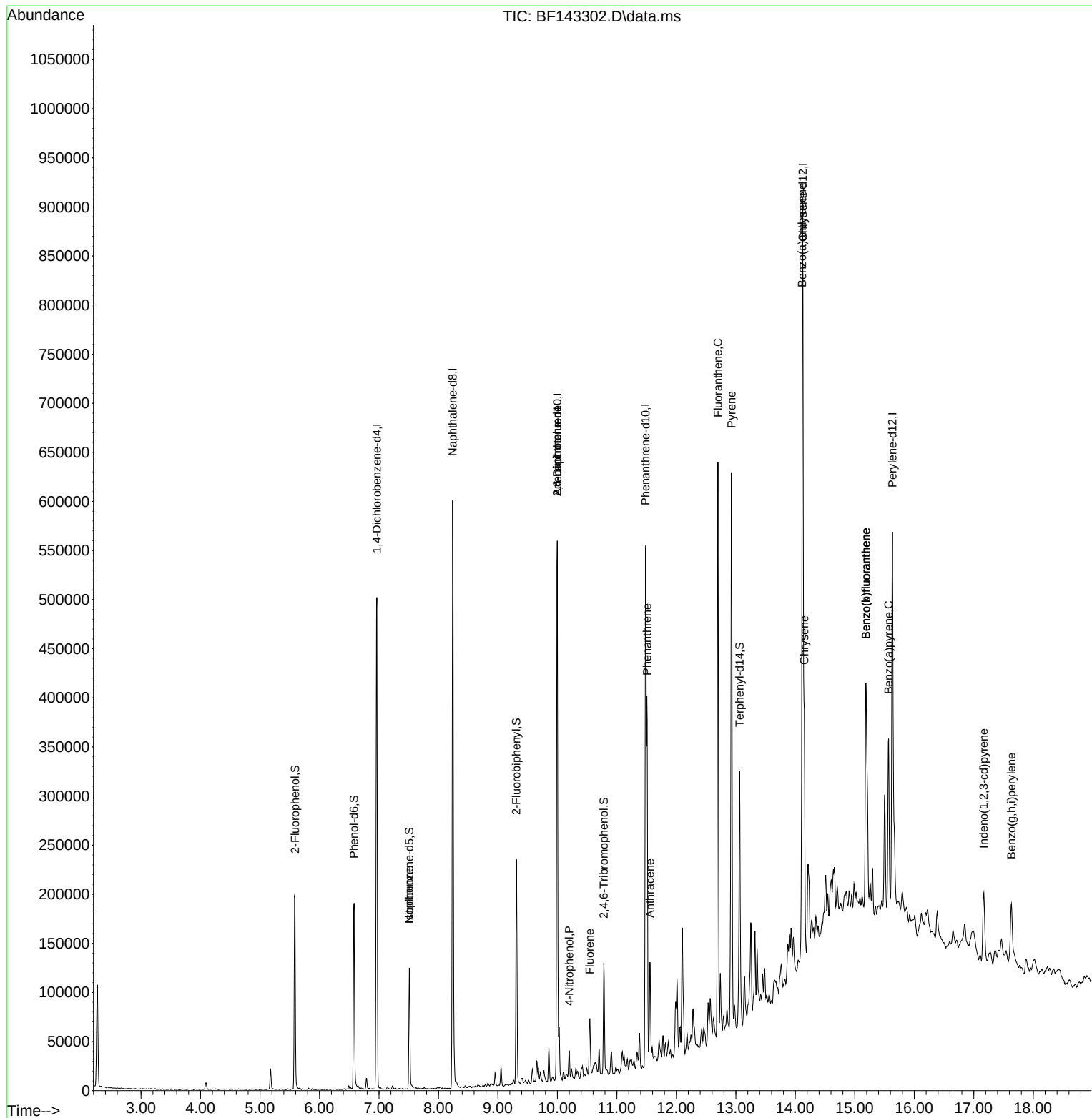
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	106513	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	366841	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	162236	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	273210	20.000	ng	0.00
76) Chrysene-d12	14.127	240	282099	20.000	ng	0.00
86) Perylene-d12	15.633	264	224543	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	73746	10.956	ng	0.00
7) Phenol-d6	6.581	99	88418	10.437	ng	0.00
23) Nitrobenzene-d5	7.510	82	52751	7.168	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	16447	9.813	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	101177	8.529	ng	-0.01
79) Terphenyl-d14	13.063	244	118161	6.233	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.510	82	51064	3.931	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	20969	9.747	ng	# 23
56) 4-Nitrophenol	10.198	139	4613	2.455	ng	# 13
57) 2,4-Dinitrotoluene	9.998	165	20969	7.769	ng	# 21
58) Fluorene	10.545	166	26196	2.534	ng	98
71) Phenanthrene	11.510	178	185743	12.804	ng	99
72) Anthracene	11.557	178	58820	3.976	ng	99
75) Fluoranthene	12.698	202	323087	24.265	ng	99
78) Pyrene	12.927	202	321392	13.349	ng	99
81) Benzo(a)anthracene	14.115	228	166862	8.835	ng	96
83) Chrysene	14.151	228	127766	7.524	ng	97
87) Indeno(1,2,3-cd)pyrene	17.168	276	53651	3.388	ng	96
88) Benzo(b)fluoranthene	15.186	252	208713	15.215	ng	# 96
89) Benzo(k)fluoranthene	15.186	252	208713	17.051	ng	# 96
90) Benzo(a)pyrene	15.568	252	110058	8.708	ng	97
92) Benzo(g,h,i)perylene	17.633	276	51963	4.168	ng	97

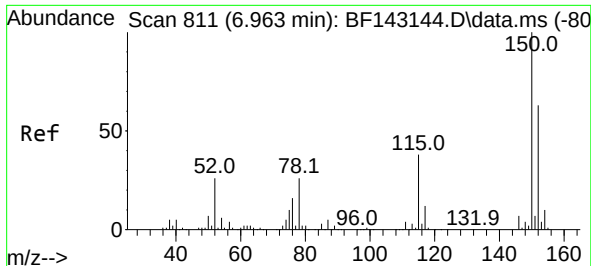
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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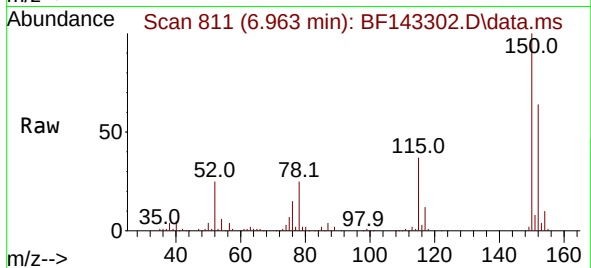
Quant Time: Aug 04 18:33:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
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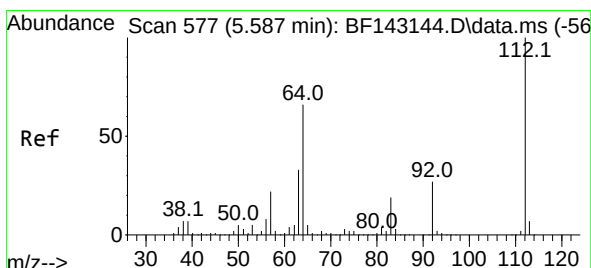
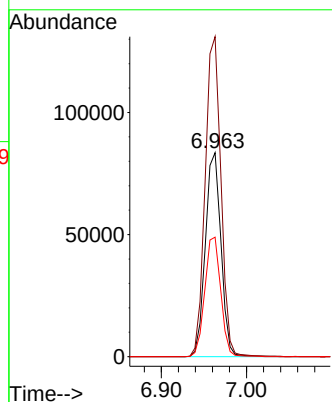
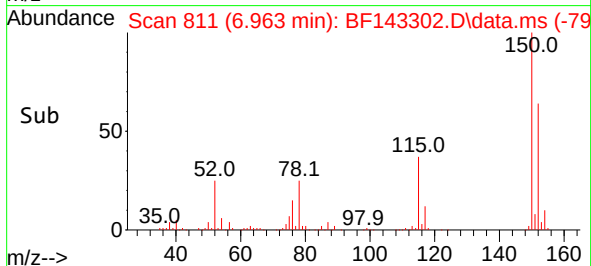


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

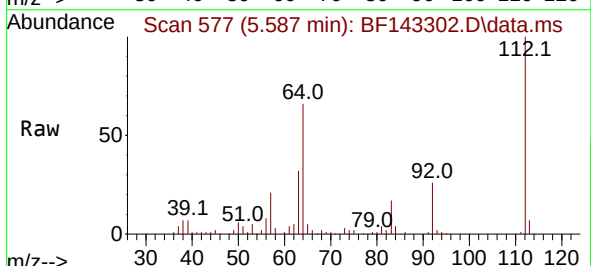
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



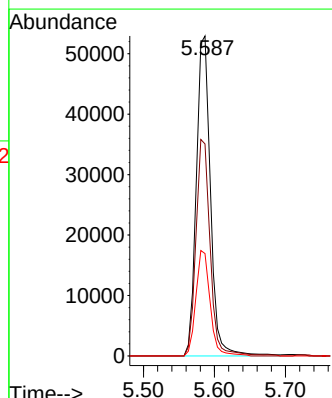
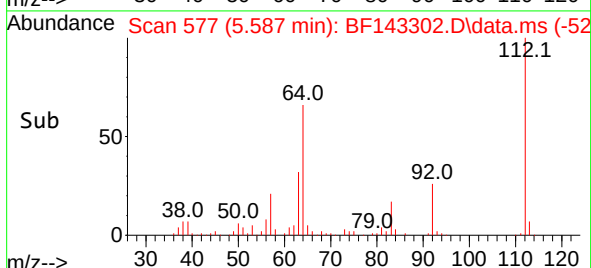
Tgt Ion:152 Resp: 106513
Ion Ratio Lower Upper
152 100
150 156.8 128.2 192.4
115 58.6 47.9 71.9

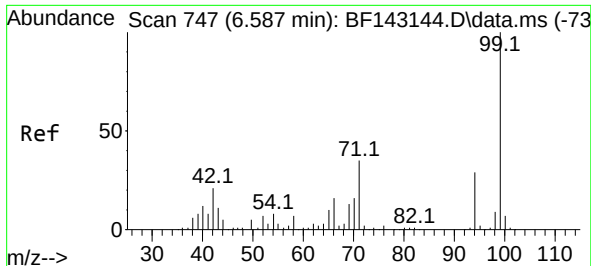


#5
2-Fluorophenol
Concen: 10.956 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



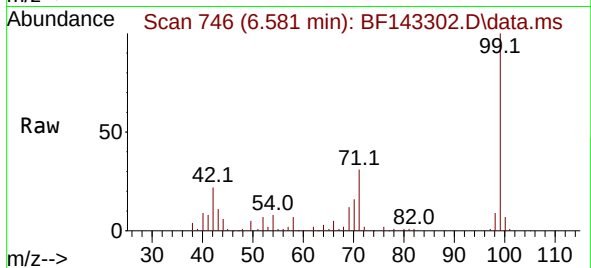
Tgt Ion:112 Resp: 73746
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 32.0 26.6 40.0



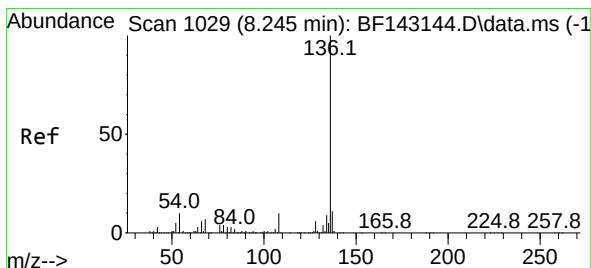
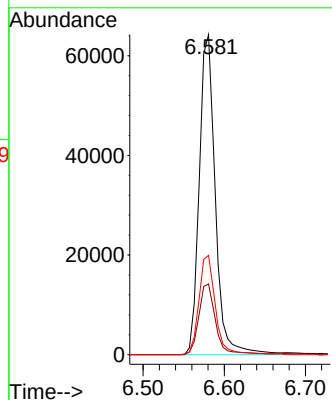
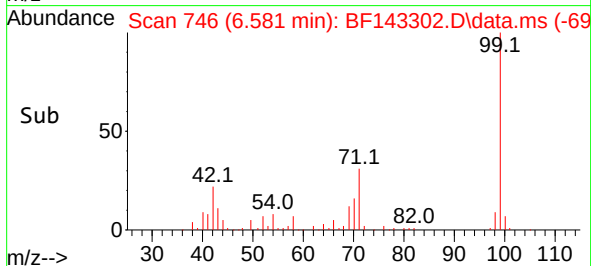


#7
Phenol-d6
Concen: 10.437 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL

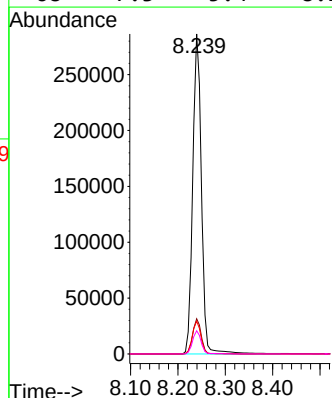
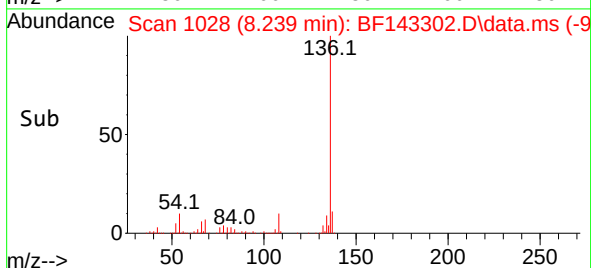
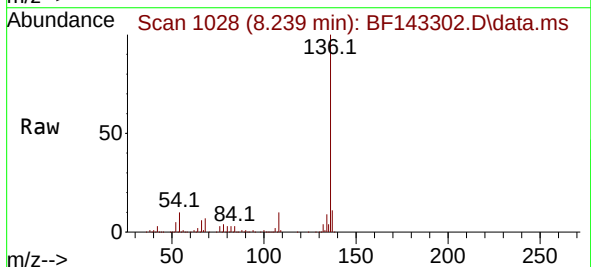


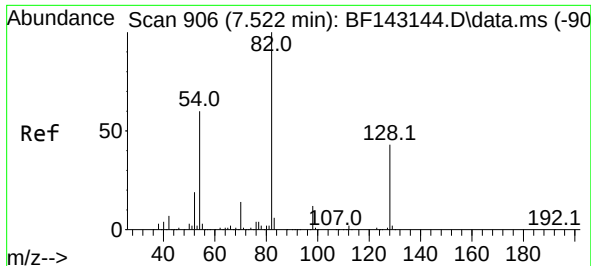
Tgt Ion: 99 Resp: 88418
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 31.1 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Tgt Ion: 136 Resp: 366841
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.3 8.2 12.2
68 7.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 7.168 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

Instrument :

BNA_F

ClientSampleId :

OR-02-07312025DL

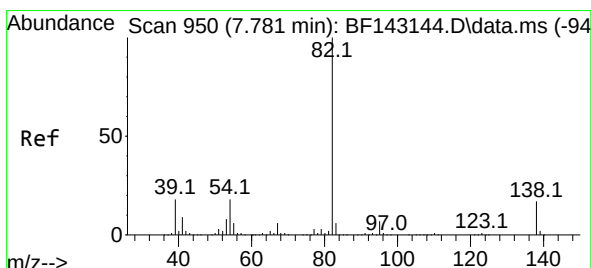
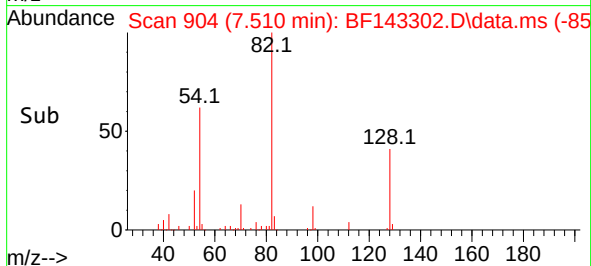
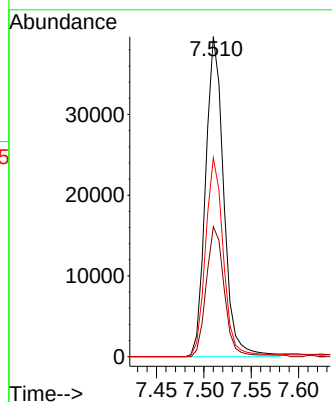
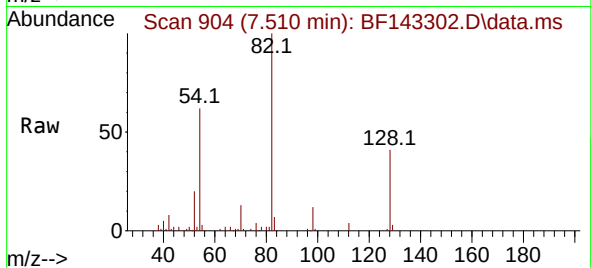
Tgt Ion: 82 Resp: 52751

Ion Ratio Lower Upper

82 100

128 40.6 33.6 50.4

54 62.1 47.1 70.7



#25

Isophorone

Concen: 3.931 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.271 min

Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

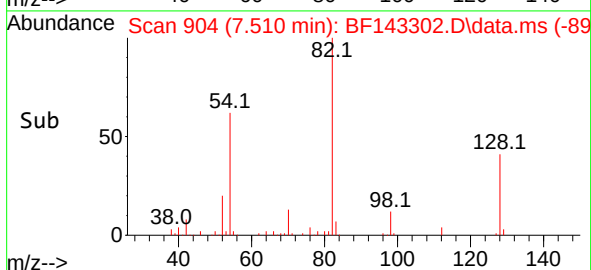
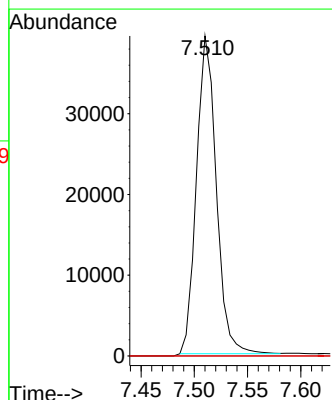
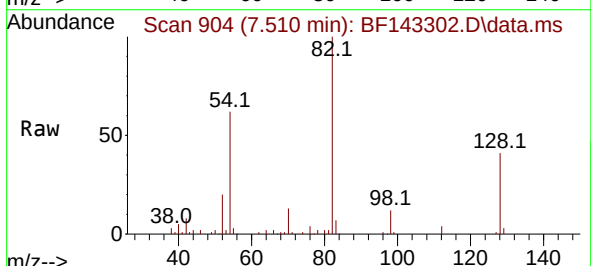
Tgt Ion: 82 Resp: 51064

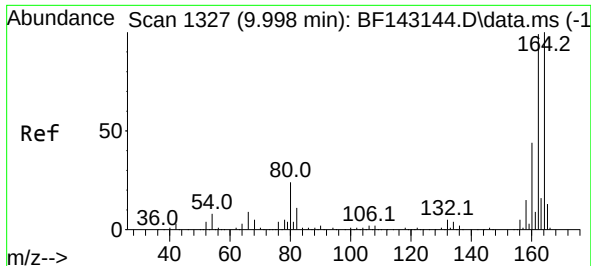
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

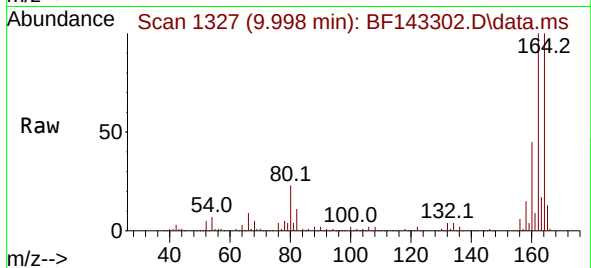
138 0.0 13.8 20.8#



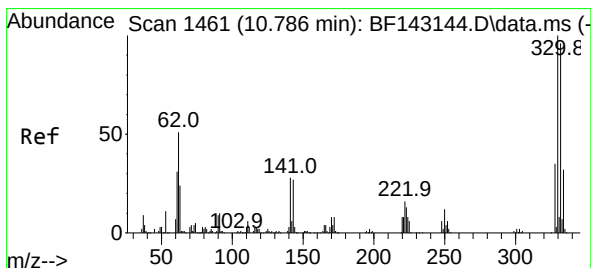
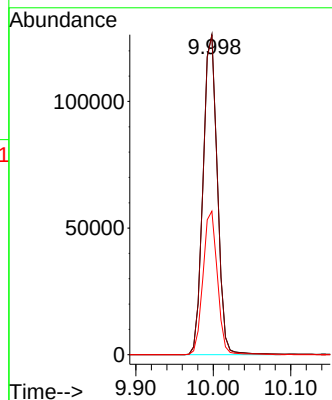
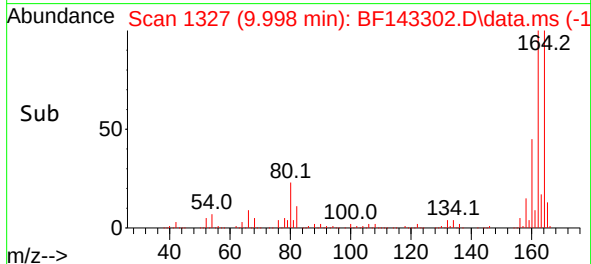


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

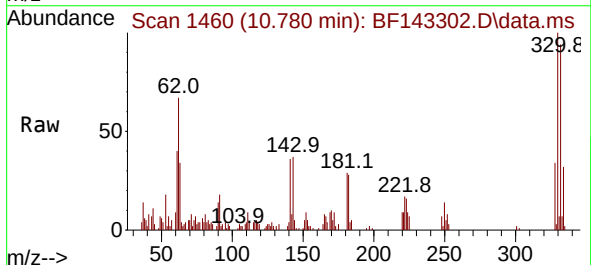
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



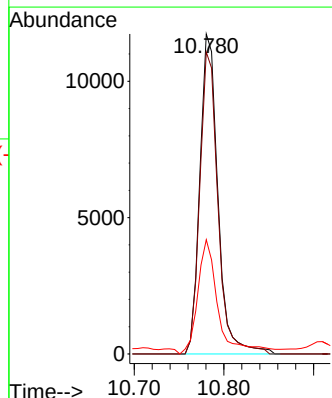
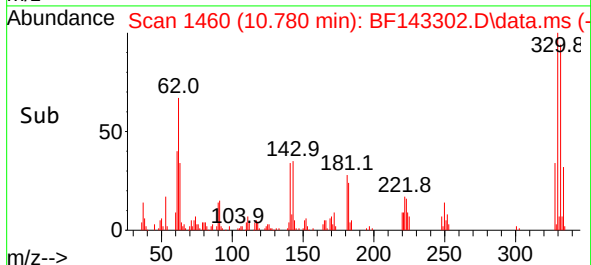
Tgt Ion:164 Resp: 162236
Ion Ratio Lower Upper
164 100
162 99.7 79.0 118.6
160 44.9 35.1 52.7

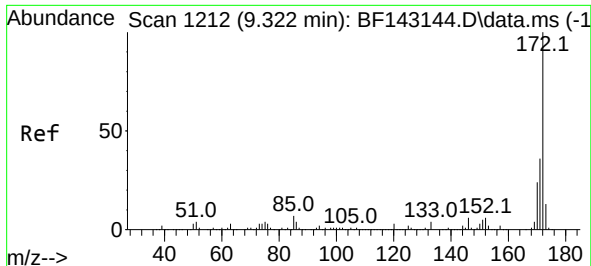


#42
2,4,6-Tribromophenol
Concen: 9.813 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



Tgt Ion:330 Resp: 16447
Ion Ratio Lower Upper
330 100
332 94.6 76.7 115.1
141 40.7 23.3 34.9#





#45

2-Fluorobiphenyl

Concen: 8.529 ng

RT: 9.310 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

Instrument :

BNA_F

ClientSampleId :

OR-02-07312025DL

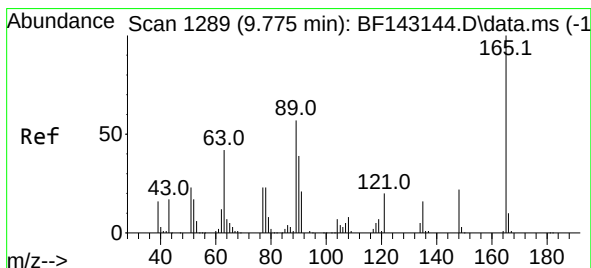
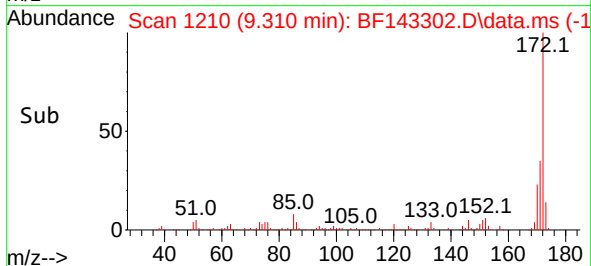
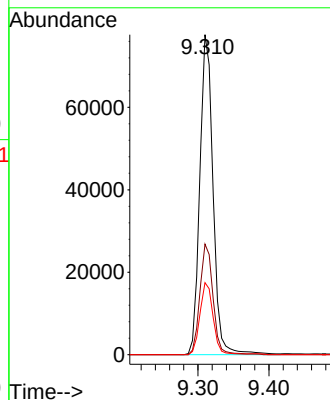
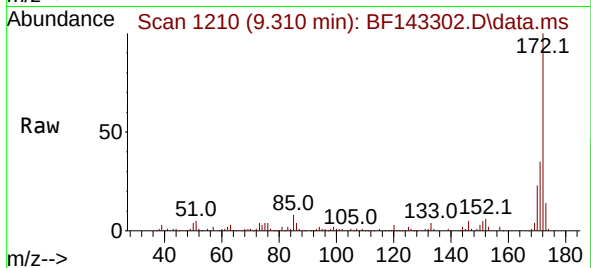
Tgt Ion:172 Resp: 101177

Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

170 22.5 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.747 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

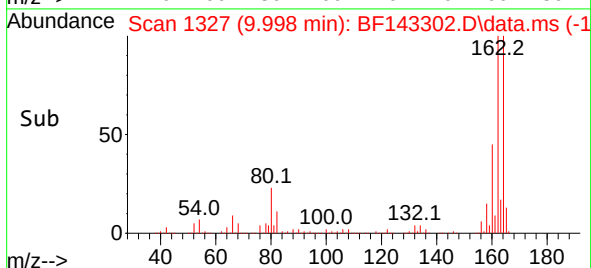
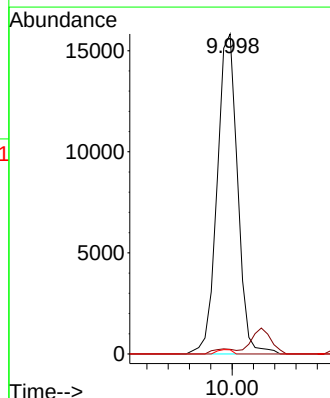
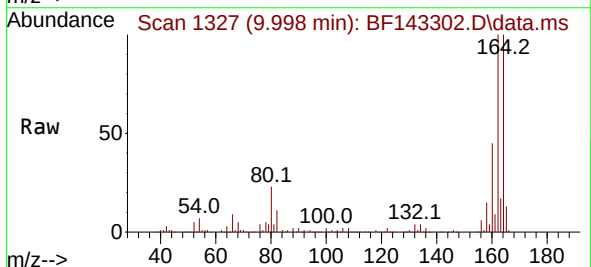
Tgt Ion:165 Resp: 20969

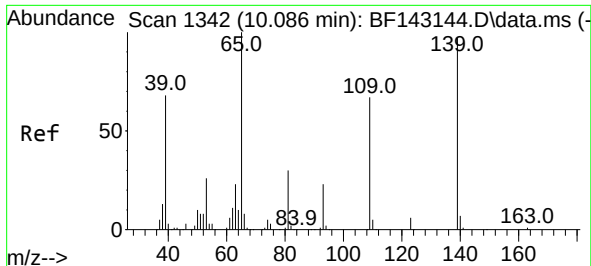
Ion Ratio Lower Upper

165 100

63 1.4 49.4 74.2#

89 1.3 46.2 69.2#

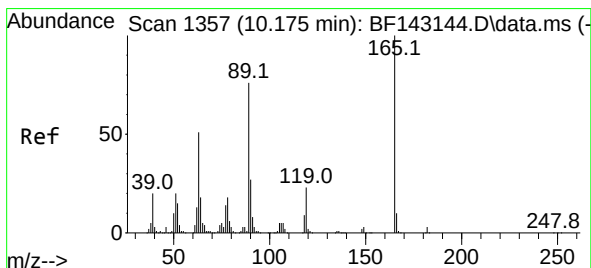
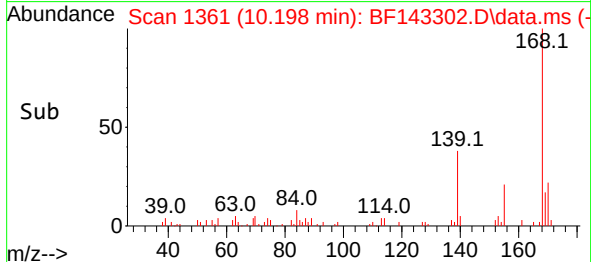
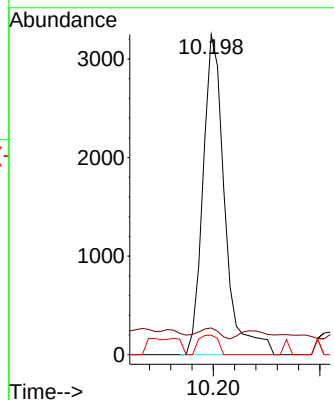
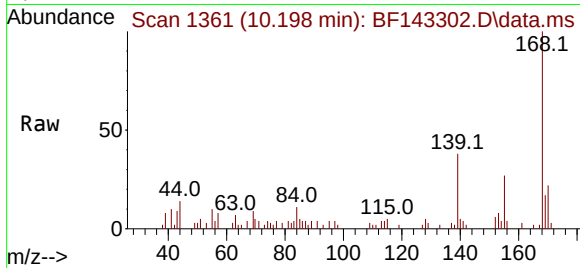




#56
4-Nitrophenol
Concen: 2.455 ng
RT: 10.198 min Scan# 11
Delta R.T. 0.112 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

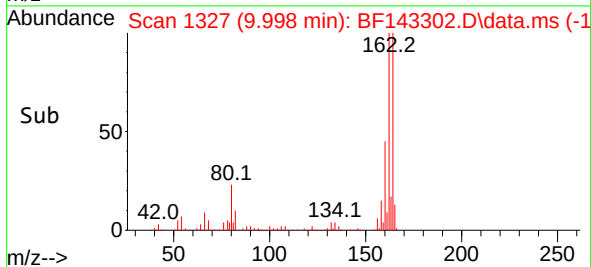
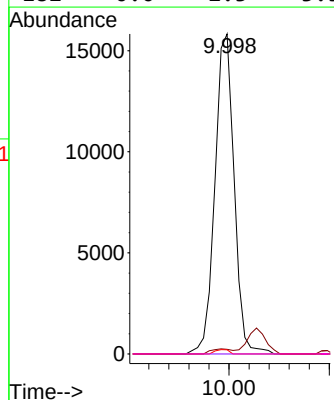
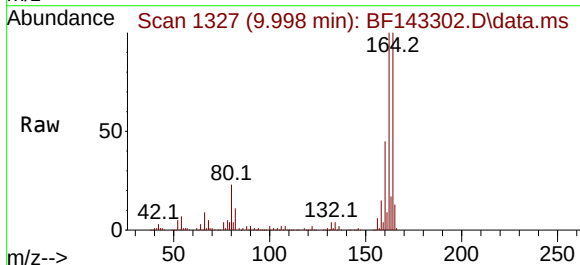
Instrument :
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OR-02-07312025DL

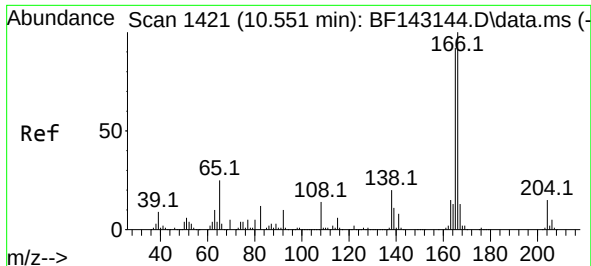
Tgt Ion:139 Resp: 4613
Ion Ratio Lower Upper
139 100
109 8.4 48.5 88.5#
65 6.1 83.4 123.4#



#57
2,4-Dinitrotoluene
Concen: 7.769 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.177 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

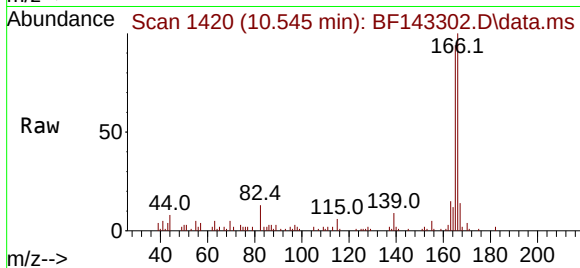
Tgt Ion:165 Resp: 20969
Ion Ratio Lower Upper
165 100
63 1.4 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#



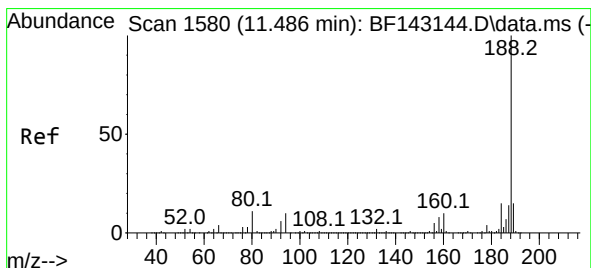
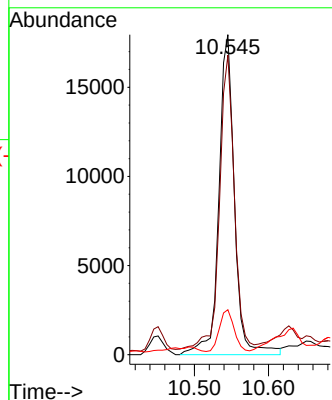
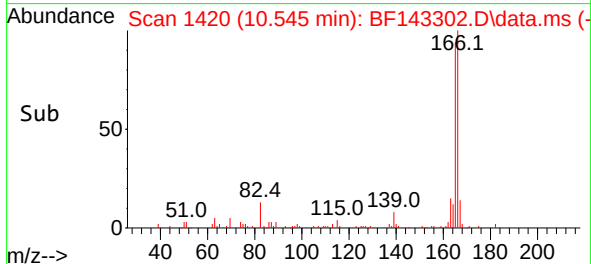


#58
Fluorene
Concen: 2.534 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL

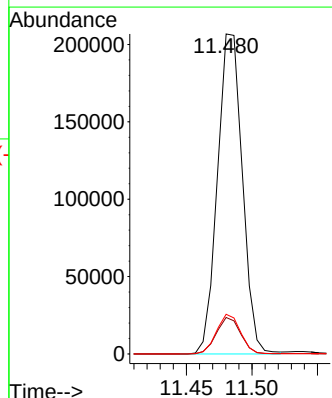
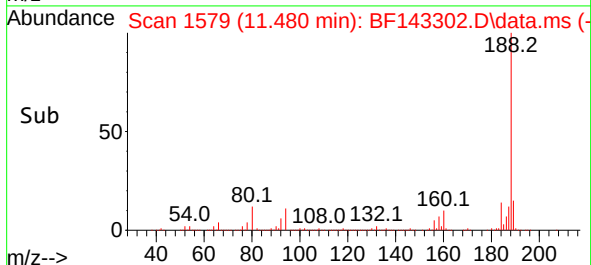
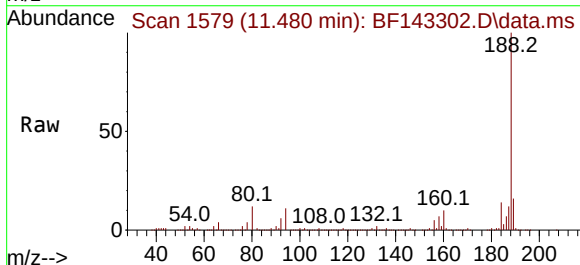


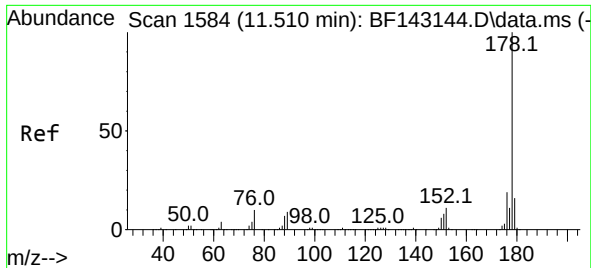
Tgt Ion:166 Resp: 26196
Ion Ratio Lower Upper
166 100
165 93.6 73.7 110.5
167 14.1 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Tgt Ion:188 Resp: 273210
Ion Ratio Lower Upper
188 100
94 11.4 8.3 12.5
80 12.4 9.0 13.6

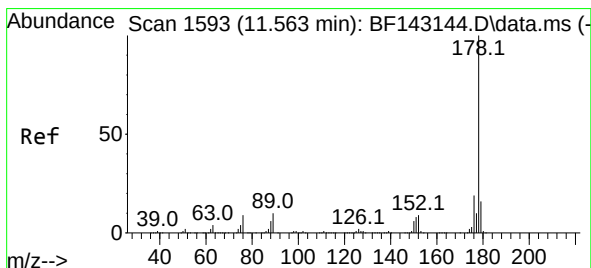
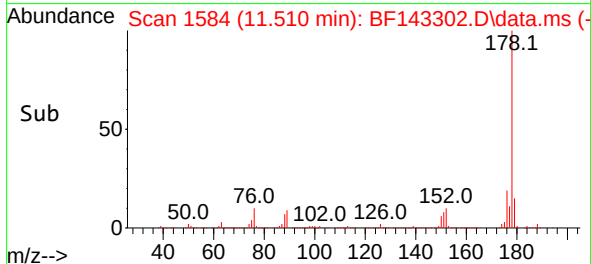
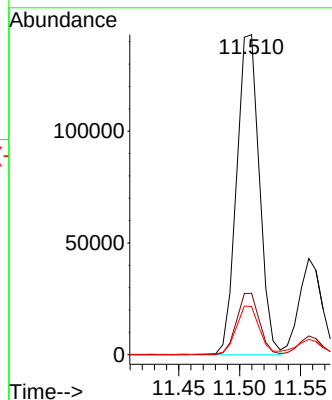
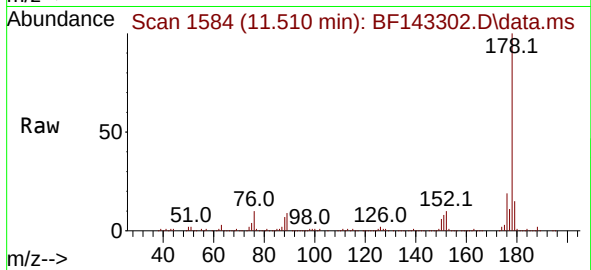




#71
Phenanthrene
Concen: 12.804 ng
RT: 11.510 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

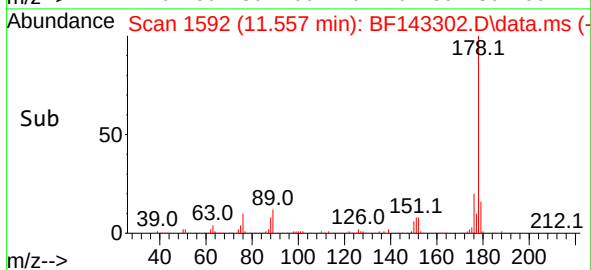
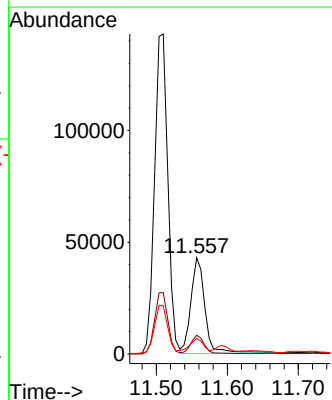
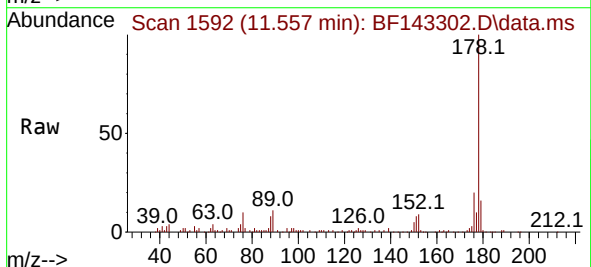
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL

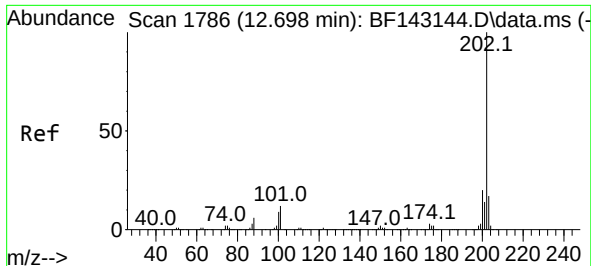
Tgt Ion:178 Resp: 185743
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.0 12.5 18.7



#72
Anthracene
Concen: 3.976 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Tgt Ion:178 Resp: 58820
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.4
179 16.0 12.5 18.7

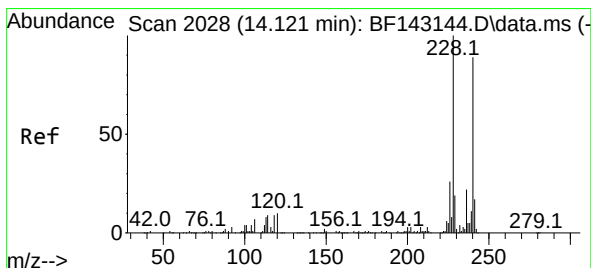
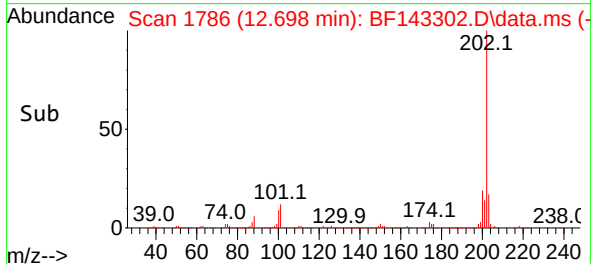
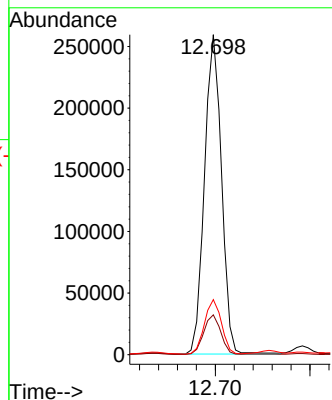
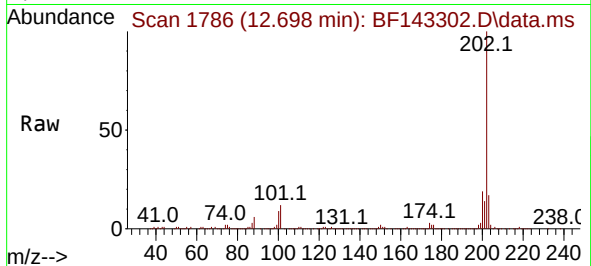




#75
Fluoranthene
Concen: 24.265 ng
RT: 12.698 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

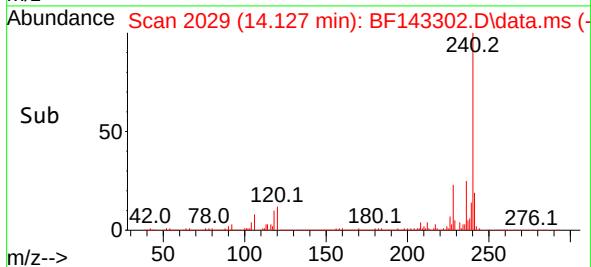
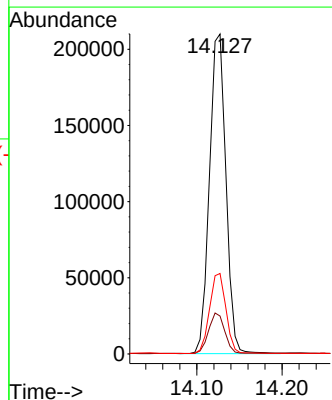
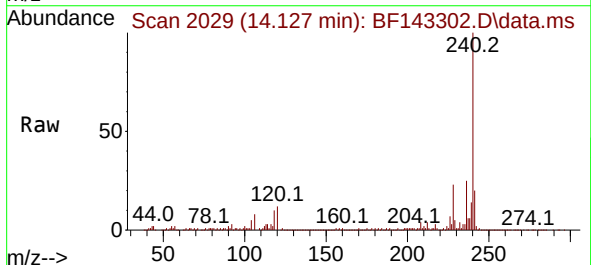
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL

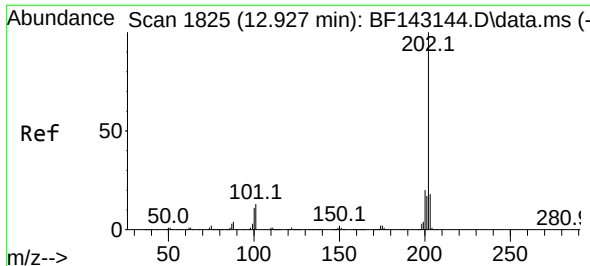
Tgt Ion:202 Resp: 323087
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Tgt Ion:240 Resp: 282099
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.2 20.2 30.4

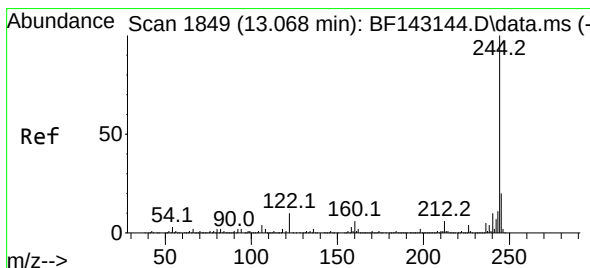
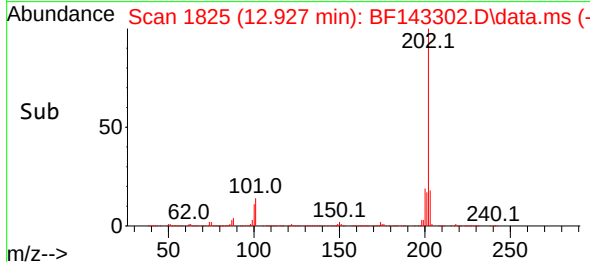
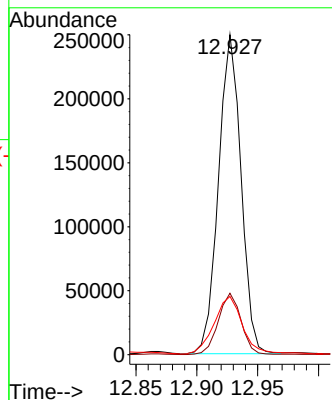
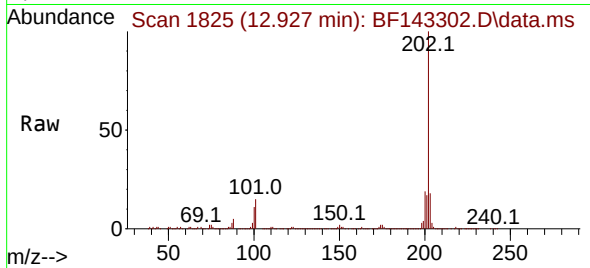




#78
Pyrene
Concen: 13.349 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

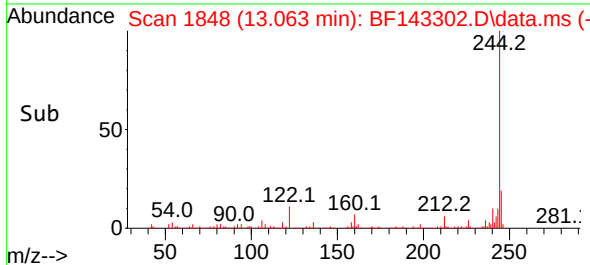
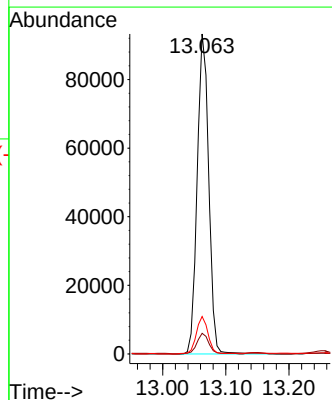
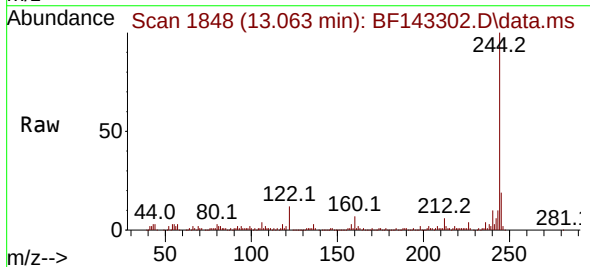
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL

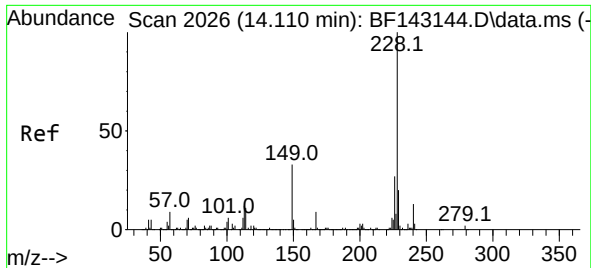
Tgt Ion:202 Resp: 321392
Ion Ratio Lower Upper
202 100
200 19.2 15.7 23.5
203 18.2 14.2 21.2



#79
Terphenyl-d14
Concen: 6.233 ng
RT: 13.063 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Tgt Ion:244 Resp: 118161
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 11.7 8.2 12.2

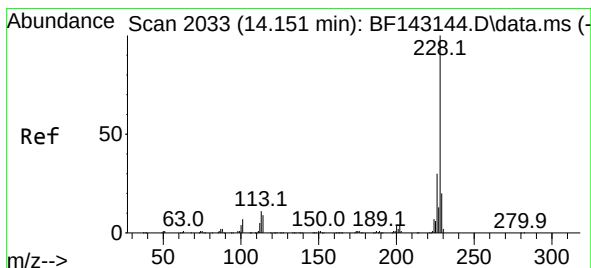
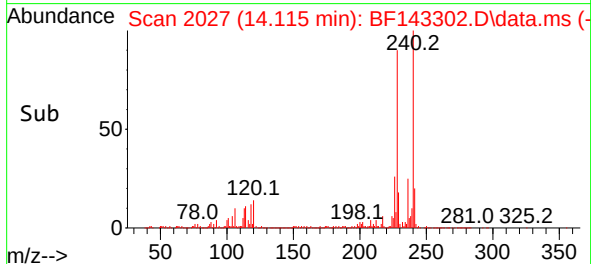
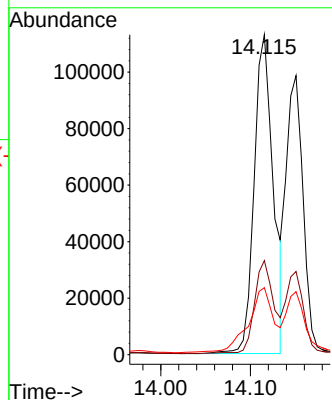
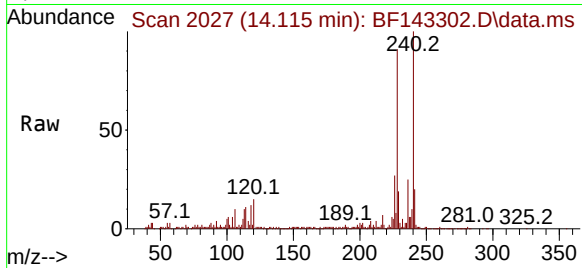




#81
Benzo(a)anthracene
Concen: 8.835 ng
RT: 14.115 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

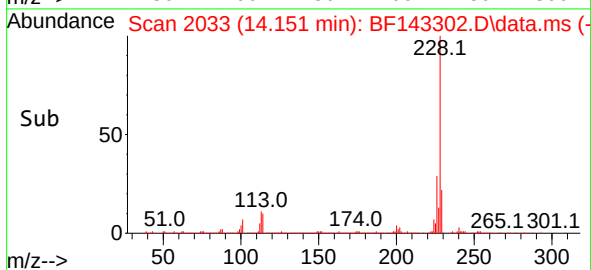
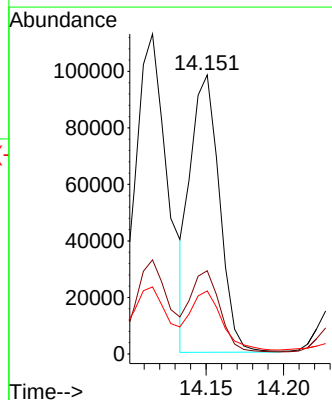
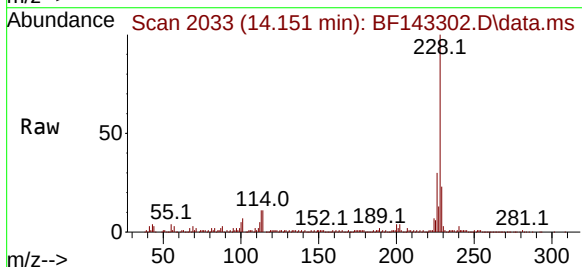
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL

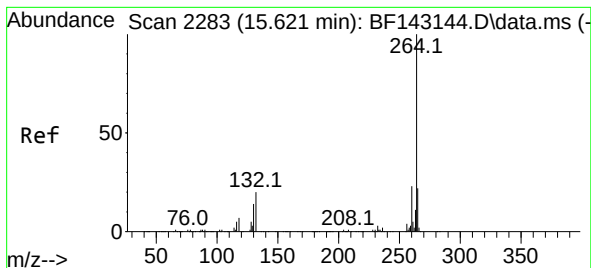
Tgt Ion:228 Resp: 166862
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 20.9 15.8 23.6



#83
Chrysene
Concen: 7.524 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Tgt Ion:228 Resp: 127766
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 22.6 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

Instrument :

BNA_F

ClientSampleId :

OR-02-07312025DL

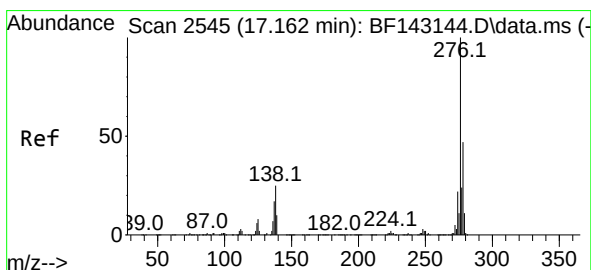
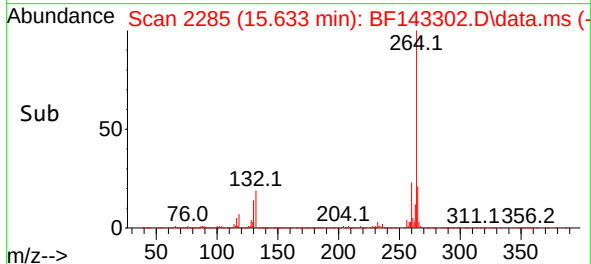
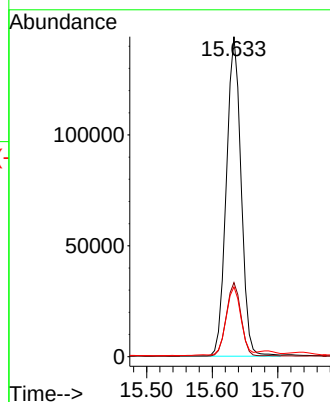
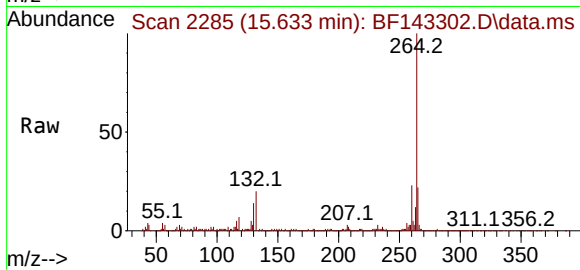
Tgt Ion:264 Resp: 224543

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.388 ng

RT: 17.168 min Scan# 2546

Delta R.T. 0.006 min

Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

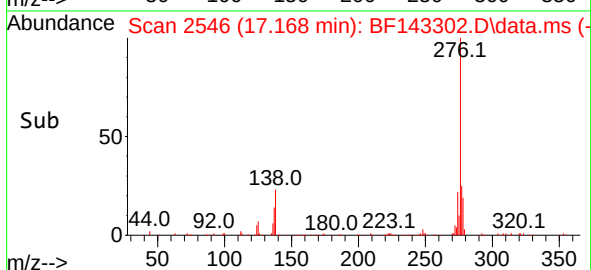
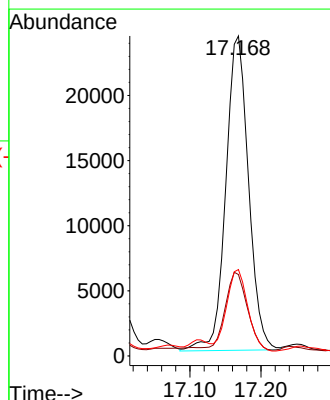
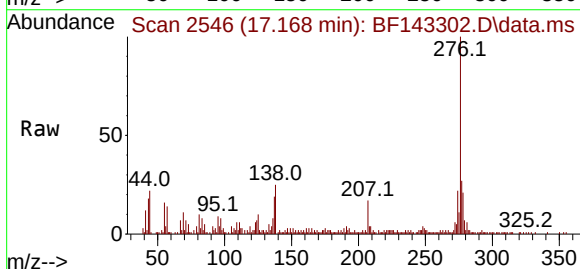
Tgt Ion:276 Resp: 53651

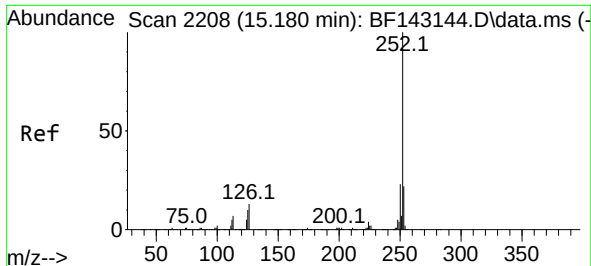
Ion Ratio Lower Upper

276 100

138 24.0 21.8 32.6

277 24.2 20.0 30.0

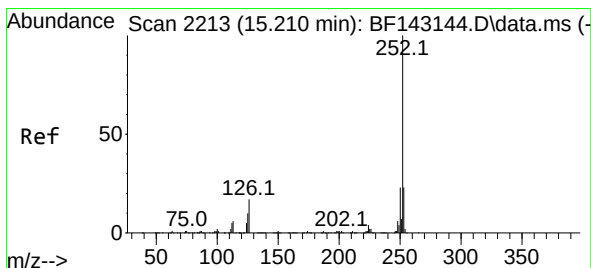
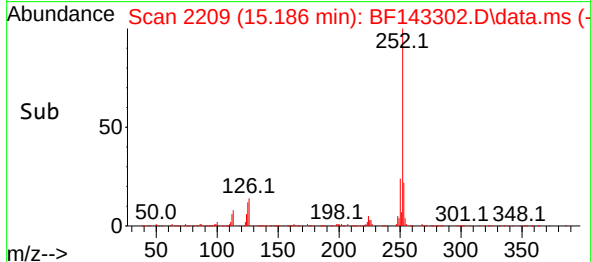
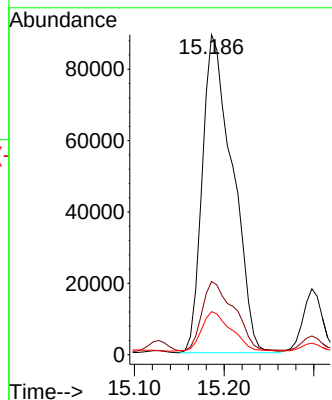
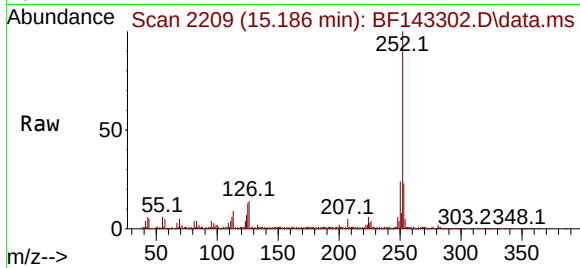




#88
Benzo(b)fluoranthene
Concen: 15.215 ng
RT: 15.186 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

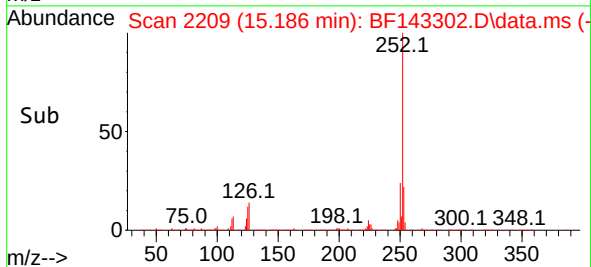
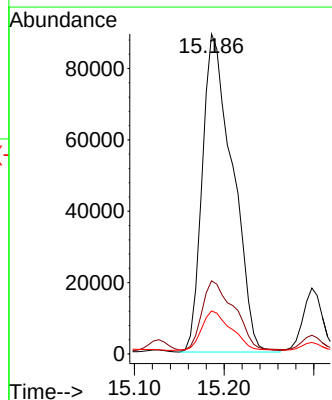
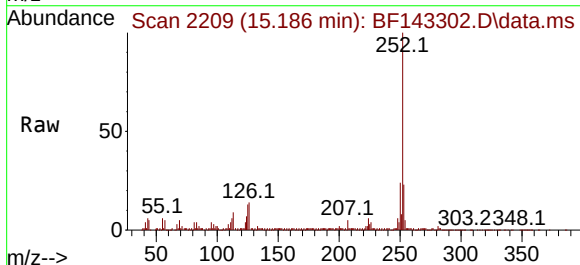
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL

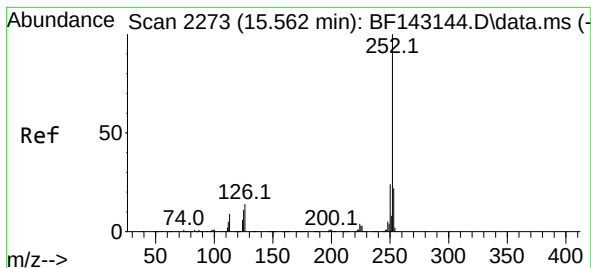
Tgt Ion:252 Resp: 208713
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 13.4 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 17.051 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Tgt Ion:252 Resp: 208713
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 13.4 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 8.708 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

Instrument :

BNA_F

ClientSampleId :

OR-02-07312025DL

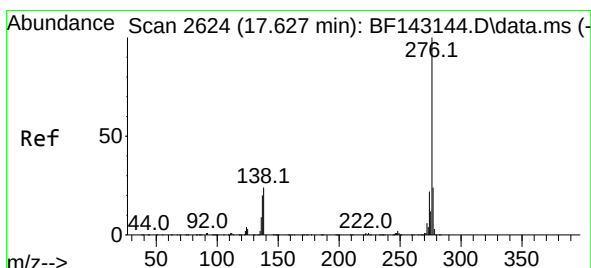
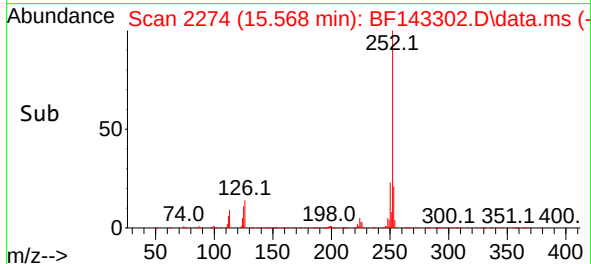
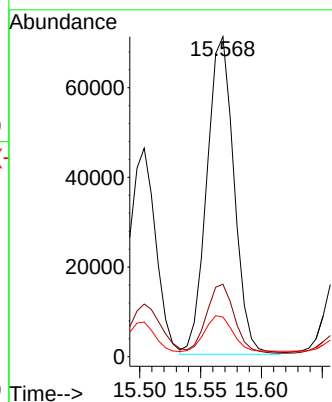
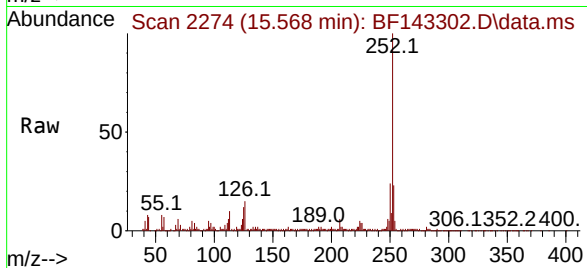
Tgt Ion:252 Resp: 110058

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 12.4 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 4.168 ng

RT: 17.633 min Scan# 2625

Delta R.T. 0.006 min

Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

Tgt Ion:276 Resp: 51963

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 26.3 18.9 28.3

