

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143338.D
 Acq On : 06 Aug 2025 19:09
 Operator : RC/JU
 Sample : Q2774-11 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 224

Quant Time: Aug 07 01:01:03 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)

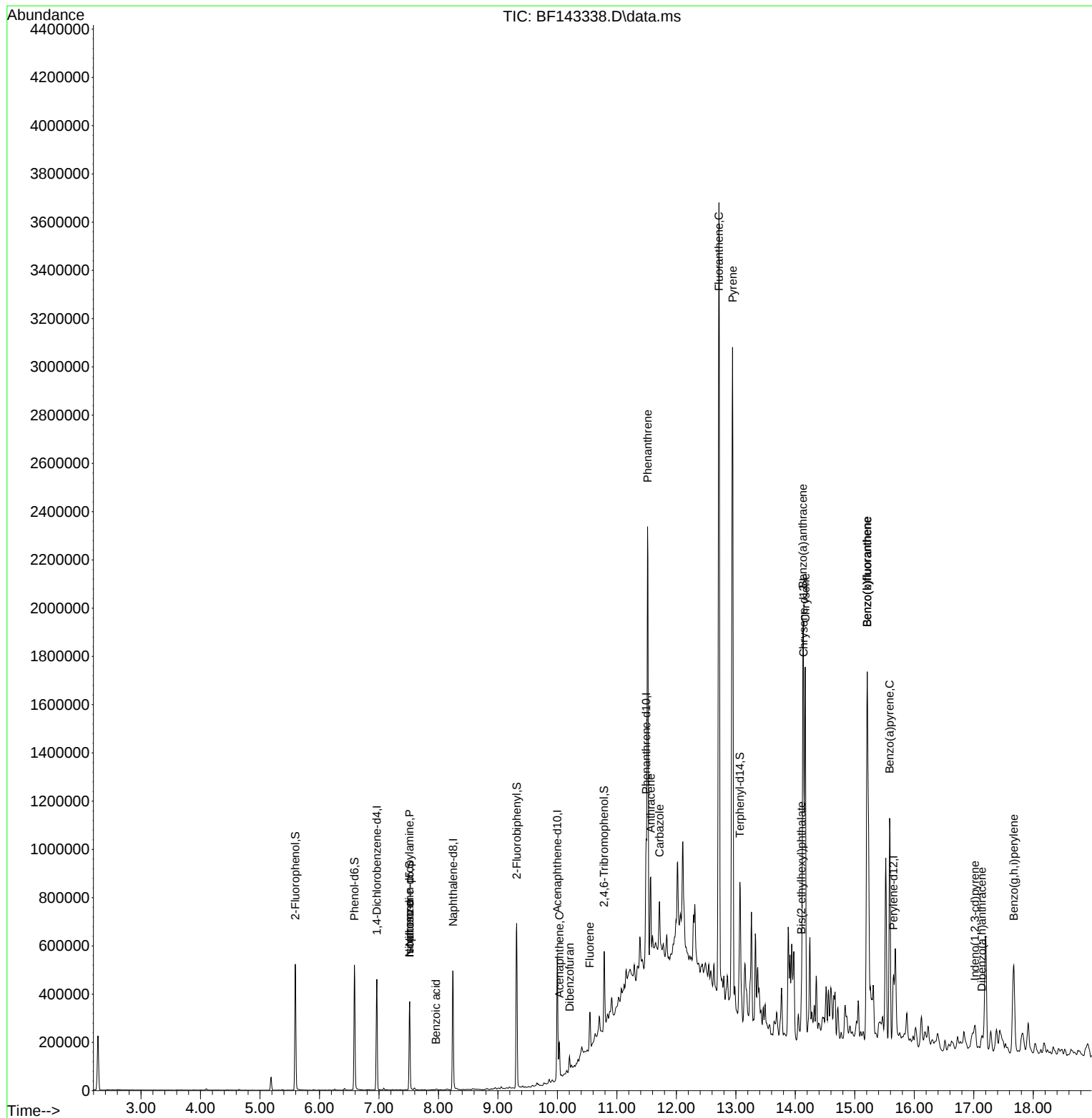
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	94007	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	320641	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	148823	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	248917	20.000	ng	0.00
76) Chrysene-d12	14.139	240	192351	20.000	ng	0.02
86) Perylene-d12	15.651	264	151965	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	187679	31.593	ng	0.00
7) Phenol-d6	6.587	99	232611	31.109	ng	0.00
23) Nitrobenzene-d5	7.516	82	151210	23.507	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	48908	31.812	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	307371	28.246	ng	0.00
79) Terphenyl-d14	13.069	244	254635	19.700	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	20540	4.282	ng	# 79
25) Isophorone	7.516	82	147736	13.010	ng	# 66
32) Benzoic acid	7.957	122	115	5.212	ng	# 73
52) Acenaphthene	10.033	154	47241	5.551	ng	96
55) Dibenzofuran	10.204	168	27808	2.201	ng	95
58) Fluorene	10.545	166	56791	5.989	ng	98
71) Phenanthrene	11.516	178	1009678	76.394	ng	99
72) Anthracene	11.569	178	218671	16.222	ng	99
73) Carbazole	11.716	167	120585	10.245	ng	97
75) Fluoranthene	12.716	202	2123170	175.017	ng	98
78) Pyrene	12.945	202	1773511	108.035	ng	97
81) Benzo(a)anthracene	14.127	228	879114	68.265	ng	96
83) Chrysene	14.168	228	875025	75.574	ng	97
84) Bis(2-ethylhexyl)phtha...	14.104	149	31870	4.189	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	65579	6.120	ng	96
88) Benzo(b)fluoranthene	15.210	252	1432277	154.279	ng	98
89) Benzo(k)fluoranthene	15.210	252	1432277	172.891	ng	98
90) Benzo(a)pyrene	15.586	252	578977	67.689	ng	98
91) Dibenzo(a,h)anthracene	17.139	278	30220	3.465	ng	93
92) Benzo(g,h,i)perylene	17.674	276	365503	43.322	ng	99

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

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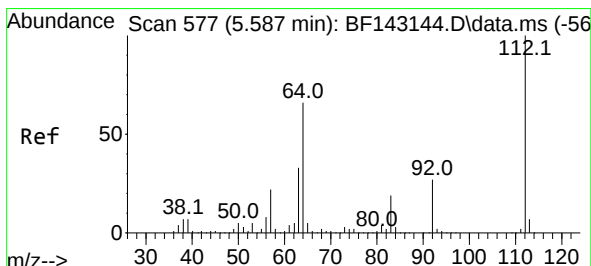
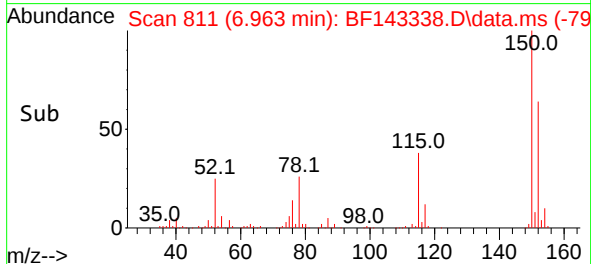
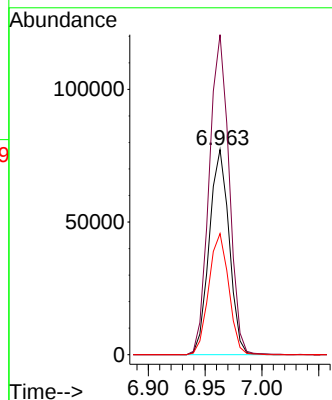
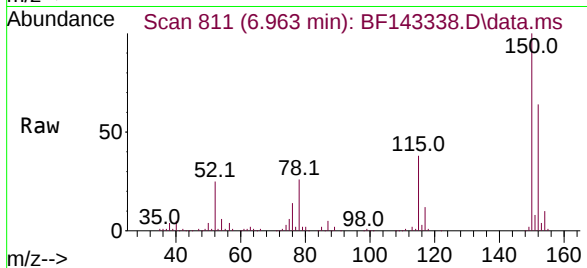




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF143338.D
 Acq: 06 Aug 2025 19:09

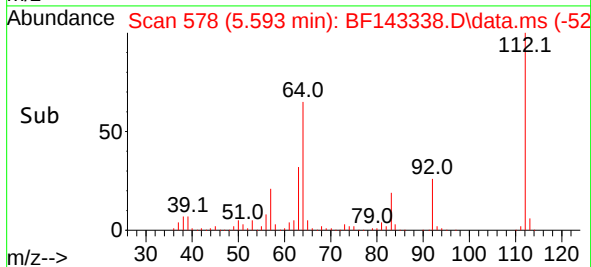
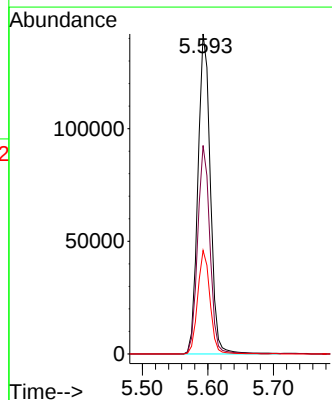
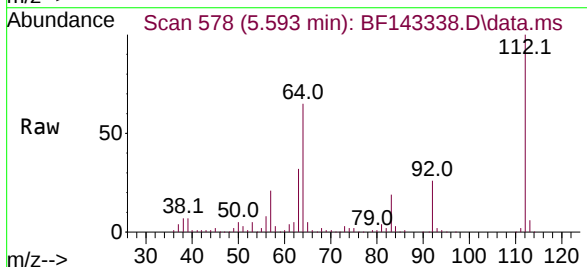
Instrument :
 BNA_F
 ClientSampleId :
 224

Tgt Ion:152 Resp: 94007
 Ion Ratio Lower Upper
 152 100
 150 156.0 128.2 192.4
 115 59.0 47.9 71.9



#5
 2-Fluorophenol
 Concen: 31.593 ng
 RT: 5.593 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: BF143338.D
 Acq: 06 Aug 2025 19:09

Tgt Ion:112 Resp: 187679
 Ion Ratio Lower Upper
 112 100
 64 65.1 53.1 79.7
 63 32.4 26.6 40.0





#7

Phenol-d6

Concen: 31.109 ng

RT: 6.587 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

Instrument :

BNA_F

ClientSampleId :

224

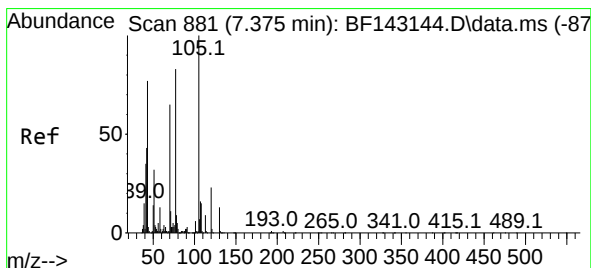
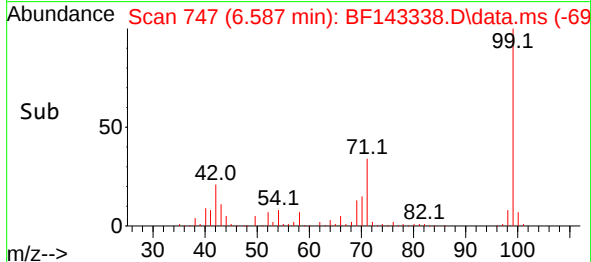
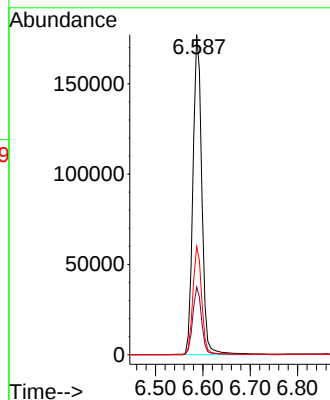
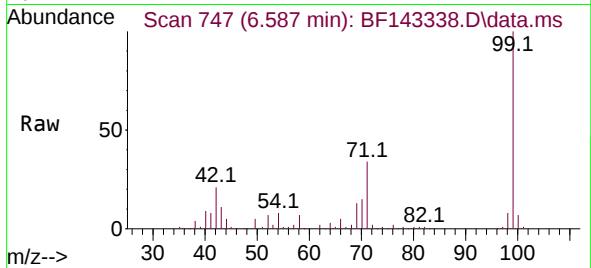
Tgt Ion: 99 Resp: 232611

Ion Ratio Lower Upper

99 100

42 21.1 17.0 25.6

71 33.8 27.7 41.5



#19

n-Nitroso-di-n-propylamine

Concen: 4.282 ng

RT: 7.516 min Scan# 905

Delta R.T. 0.141 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

Tgt Ion: 70 Resp: 20540

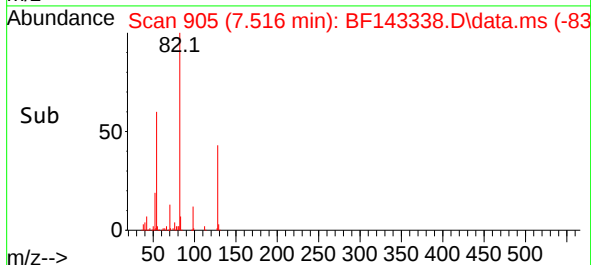
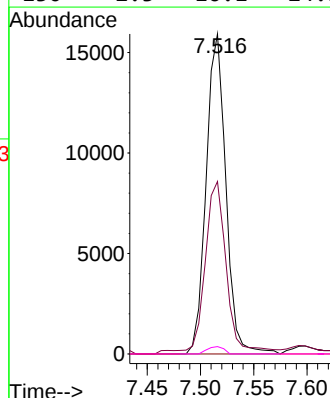
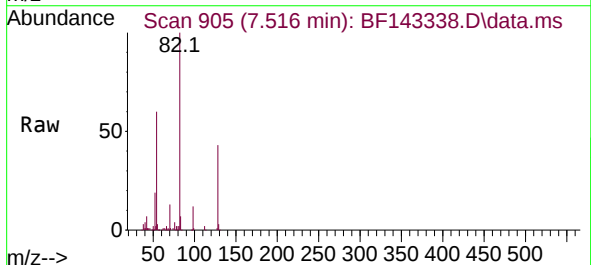
Ion Ratio Lower Upper

70 100

42 53.9 52.5 78.7

101 0.0 7.6 11.4#

130 2.3 16.1 24.1#

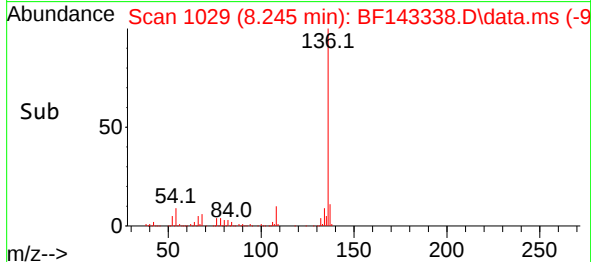
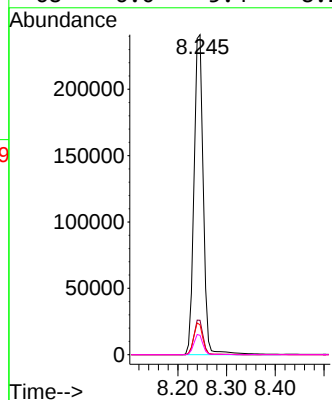
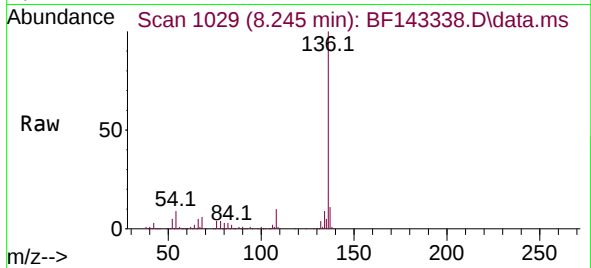




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

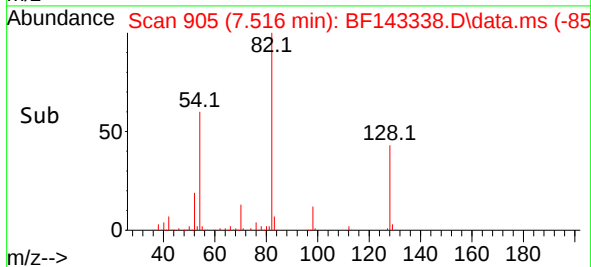
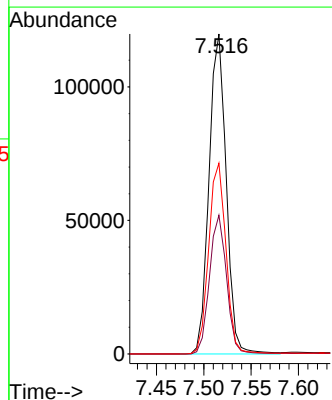
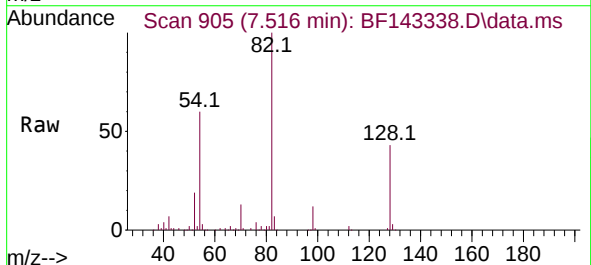
Instrument :
BNA_F
ClientSampleId :
224

Tgt Ion:	136	Resp:	320641
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.4	8.2	12.2
68	6.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 23.507 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion:	82	Resp:	151210
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	59.6	47.1	70.7

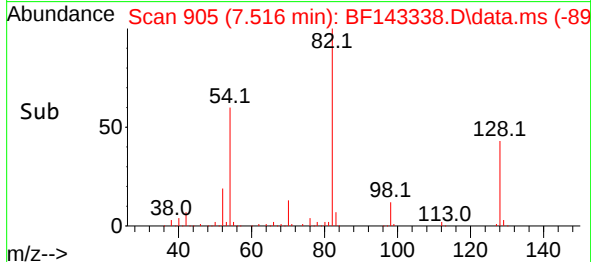
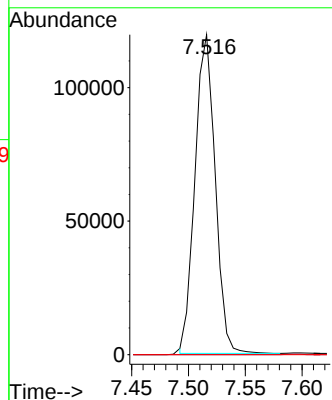
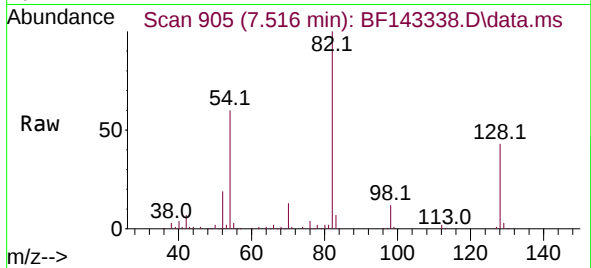




#25
Isophorone
Concen: 13.010 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

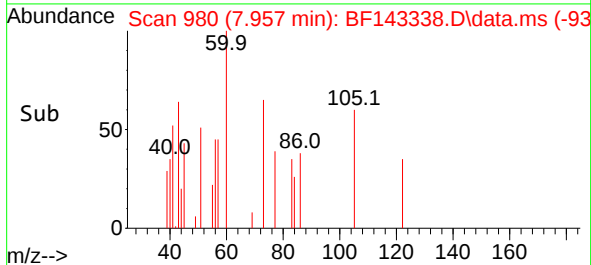
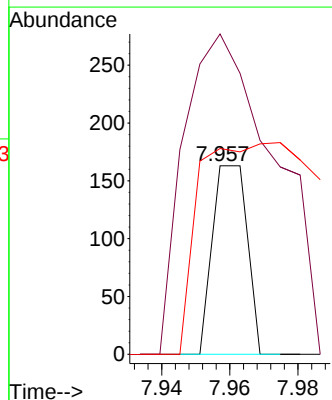
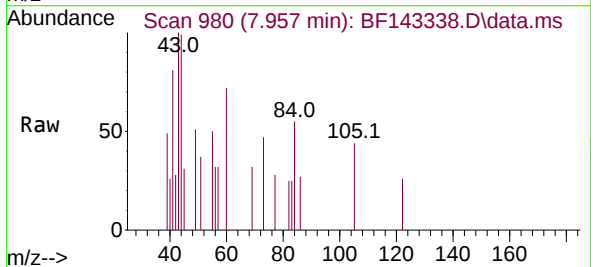
Instrument :
BNA_F
ClientSampleId :
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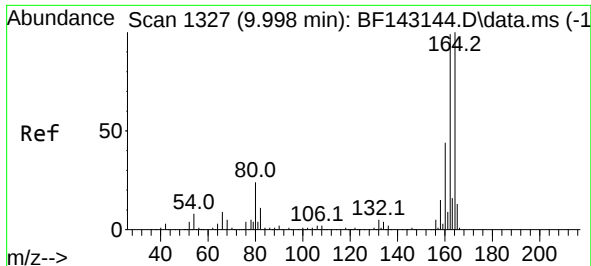
Tgt Ion: 82 Resp: 147736
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.212 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion: 122 Resp: 115
Ion Ratio Lower Upper
122 100
105 169.9 104.8 144.8#
77 109.2 77.6 117.6

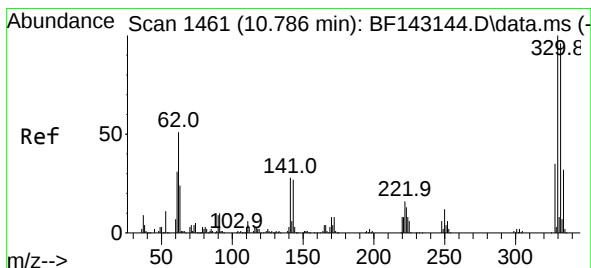
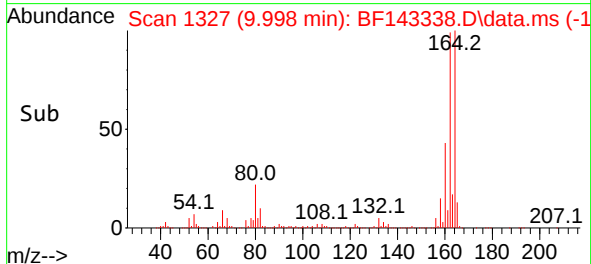
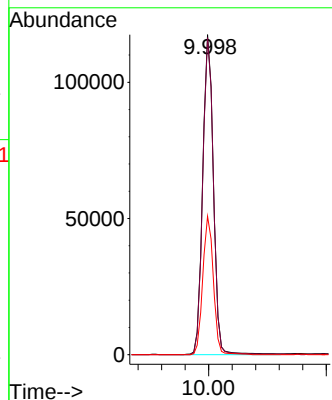
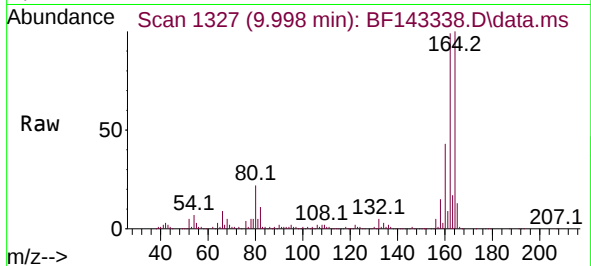




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

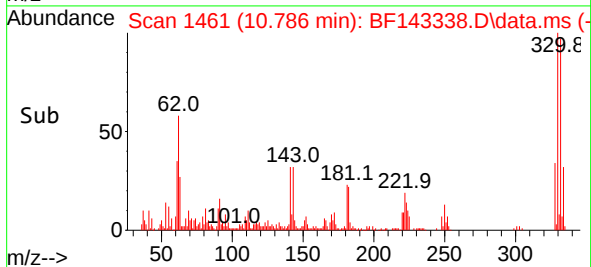
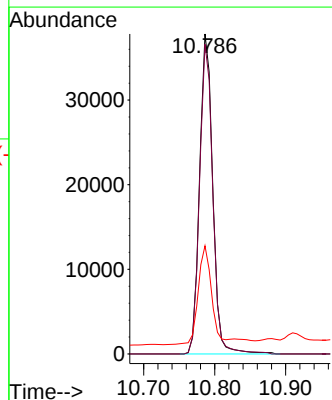
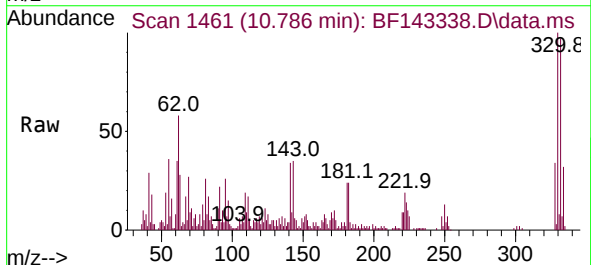
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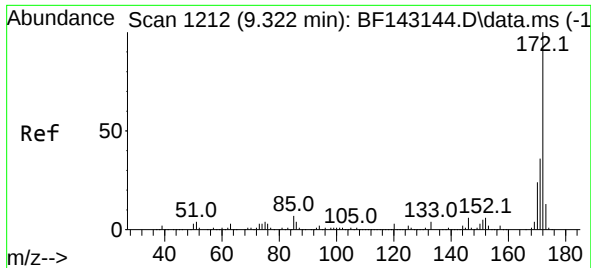
Tgt Ion:164 Resp: 148823
Ion Ratio Lower Upper
164 100
162 99.1 79.0 118.6
160 43.3 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 31.812 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion:330 Resp: 48908
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 30.6 23.3 34.9

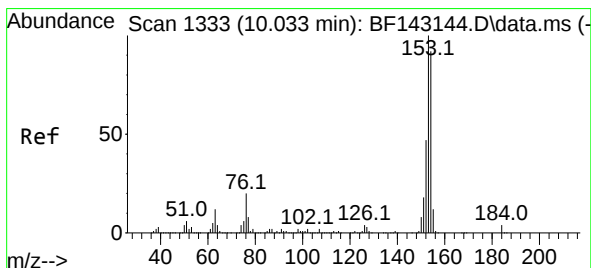
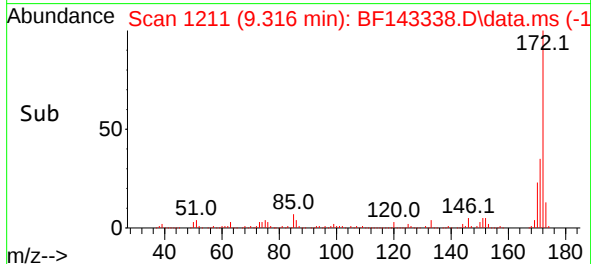
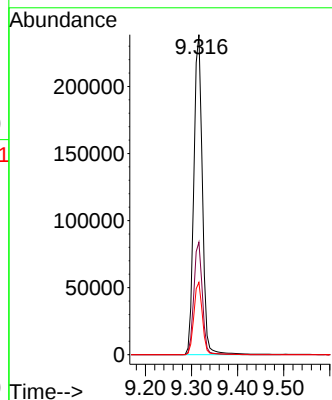
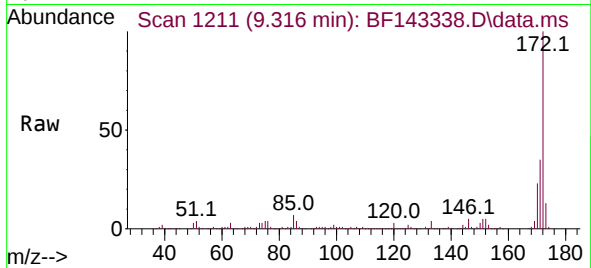




#45
2-Fluorobiphenyl
Concen: 28.246 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

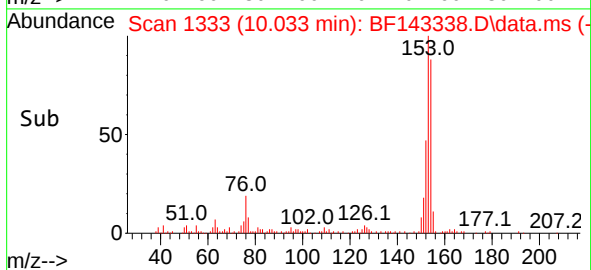
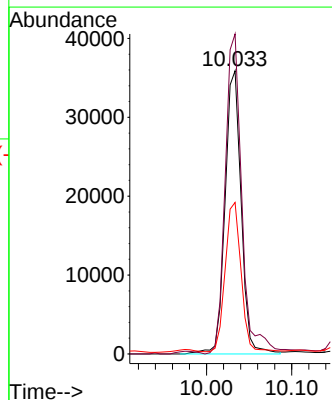
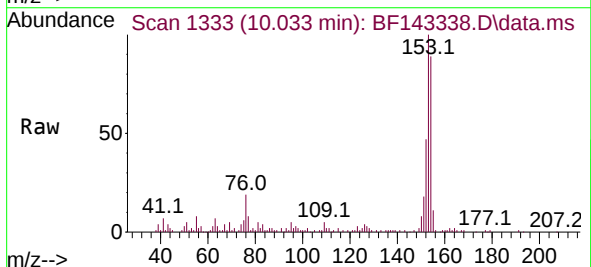
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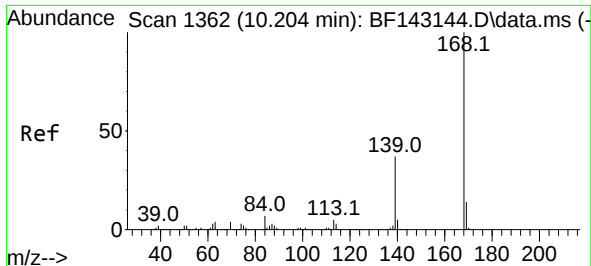
Tgt Ion:172 Resp: 307371
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.6 18.8 28.2



#52
Acenaphthene
Concen: 5.551 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion:154 Resp: 47241
Ion Ratio Lower Upper
154 100
153 113.0 86.6 129.8
152 53.5 40.4 60.6

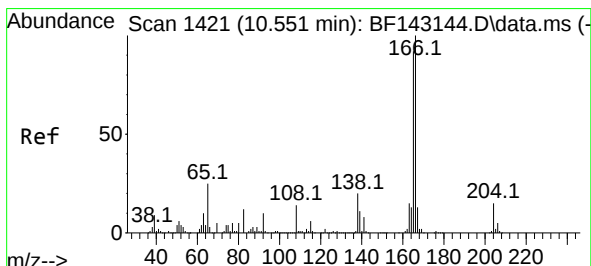
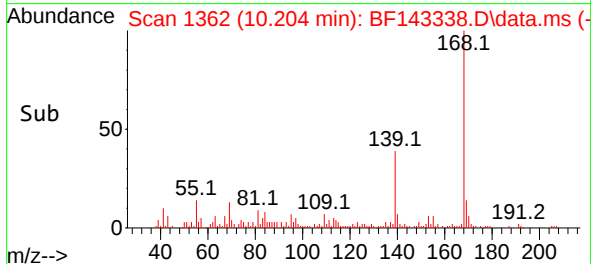
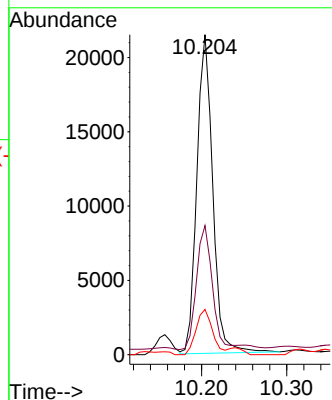
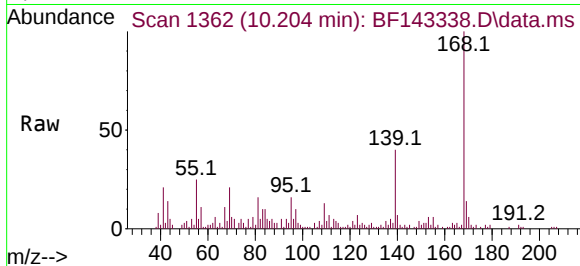




#55
Dibenzenofuran
Concen: 2.201 ng
RT: 10.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

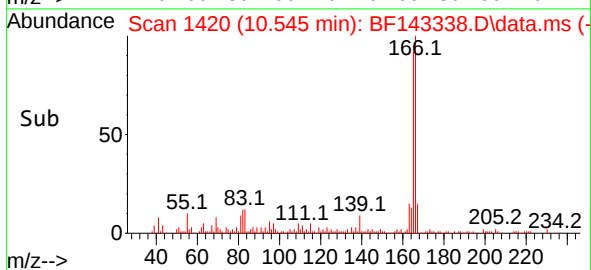
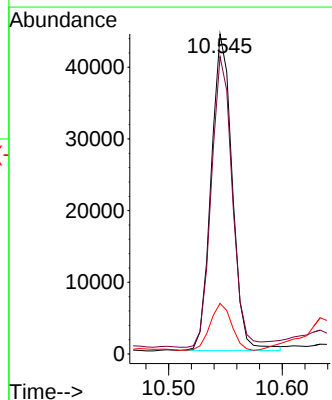
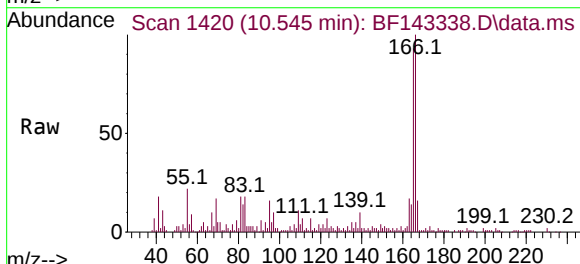
Instrument :
BNA_F
ClientSampleId :
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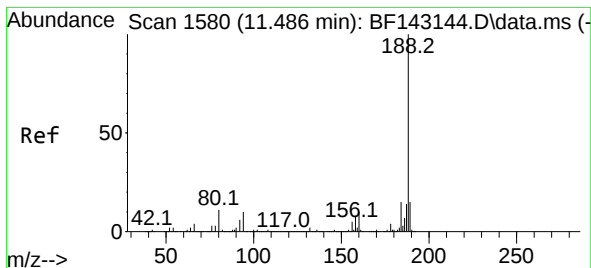
Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.3	29.5	44.3
169	14.2	10.9	16.3



#58
Fluorene
Concen: 5.989 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.7	110.5
167	15.8	10.6	16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

Instrument :

BNA_F

ClientSampleId :

224

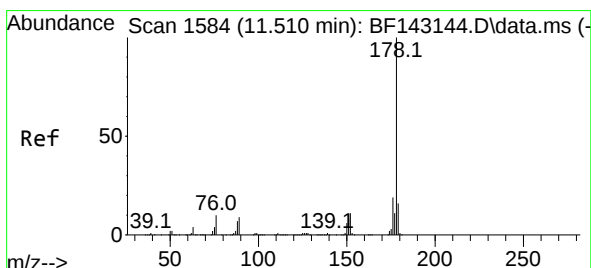
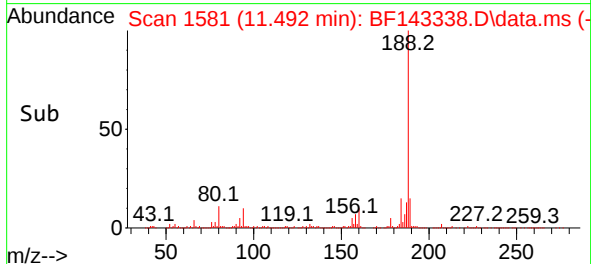
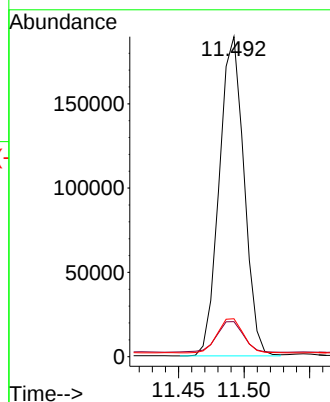
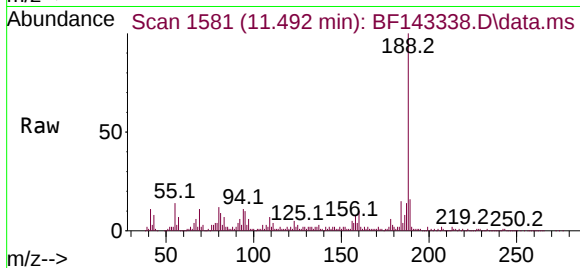
Tgt Ion:188 Resp: 248917

Ion Ratio Lower Upper

188 100

94 11.0 8.3 12.5

80 11.8 9.0 13.6



#71

Phenanthrene

Concen: 76.394 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.006 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

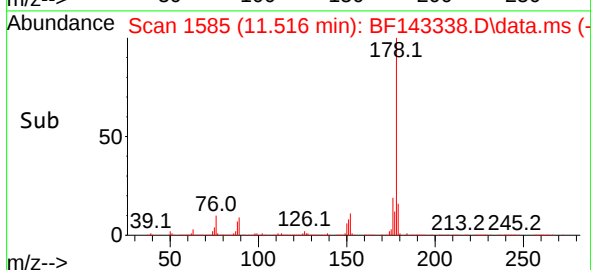
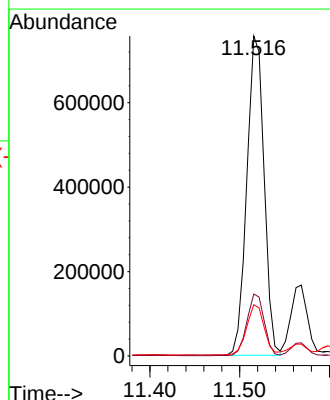
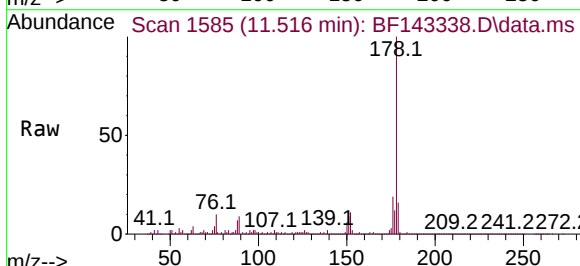
Tgt Ion:178 Resp: 1009678

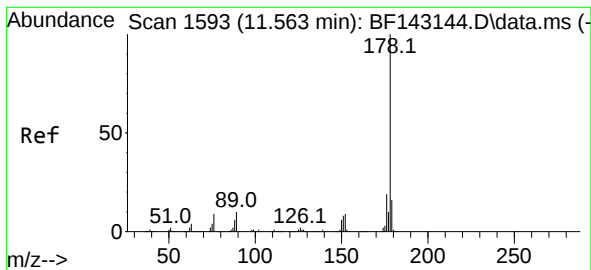
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 16.0 12.5 18.7





#72

Anthracene

Concen: 16.222 ng

RT: 11.569 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

Instrument :

BNA_F

ClientSampleId :

224

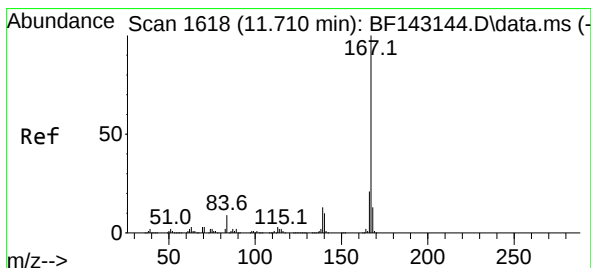
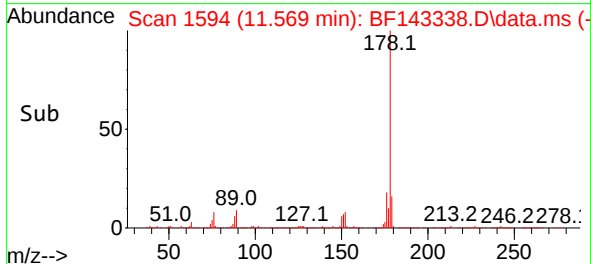
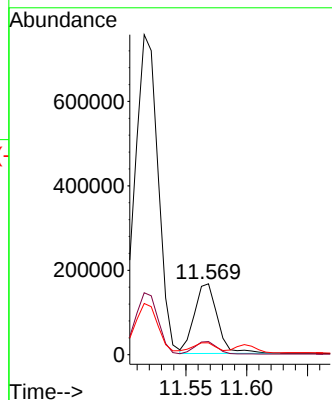
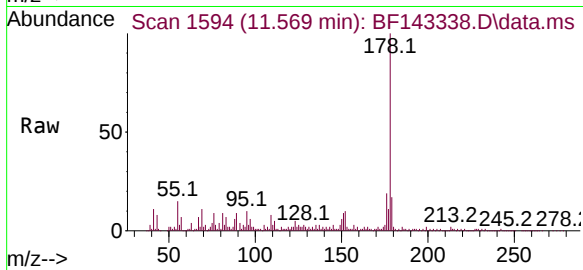
Tgt Ion:178 Resp: 218671

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 16.7 12.5 18.7



#73

Carbazole

Concen: 10.245 ng

RT: 11.716 min Scan# 1619

Delta R.T. 0.006 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

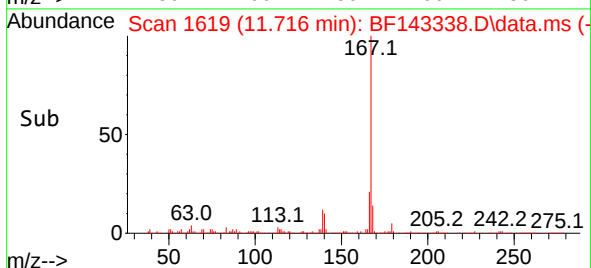
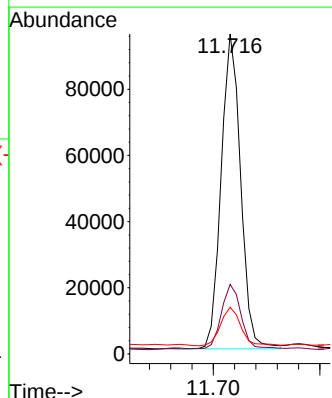
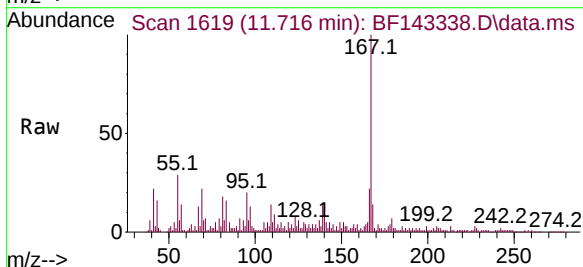
Tgt Ion:167 Resp: 120585

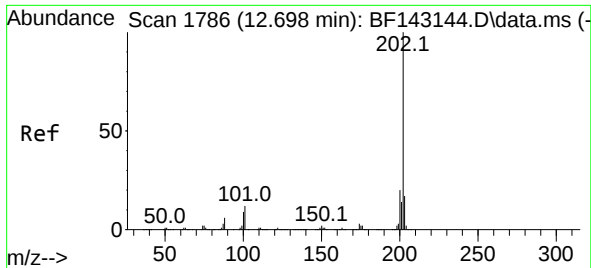
Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

139 14.6 10.0 15.0

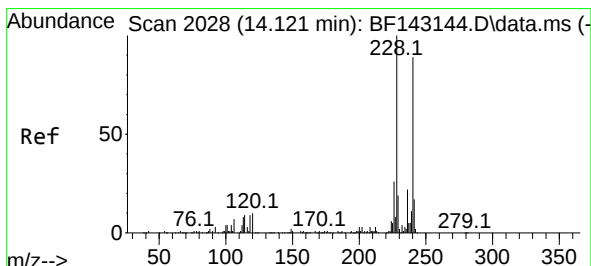
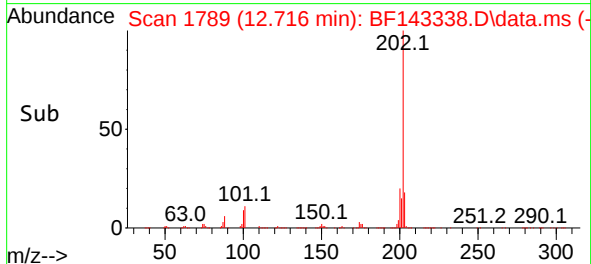
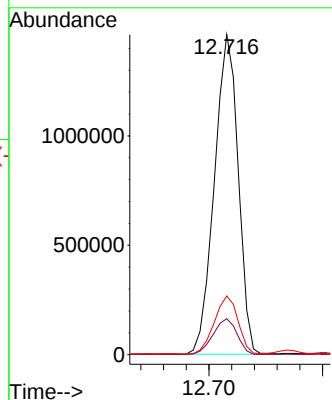
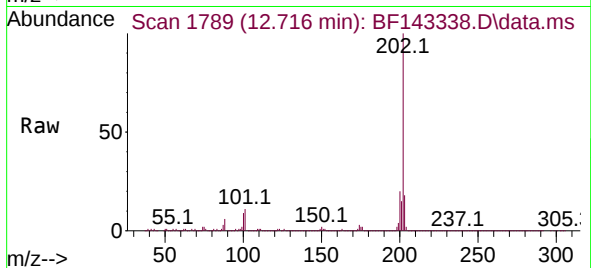




#75
Fluoranthene
Concen: 175.017 ng
RT: 12.716 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

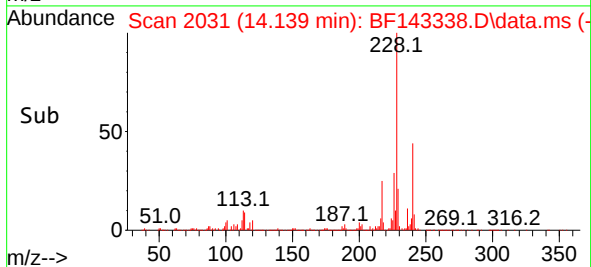
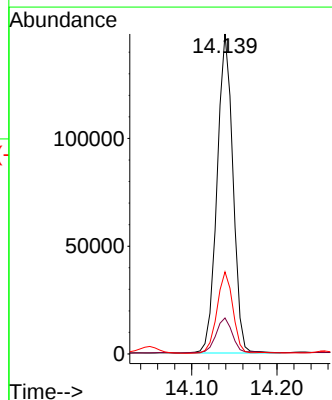
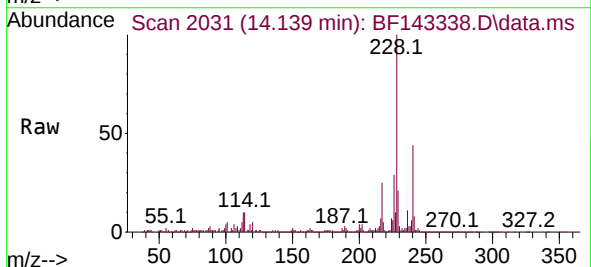
Instrument :
BNA_F
ClientSampleId :
224

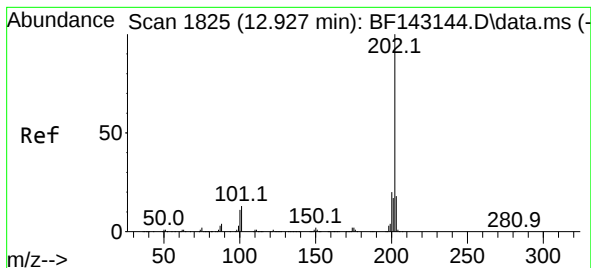
Tgt Ion:202 Resp: 2123170
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.7
203 18.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2031
Delta R.T. 0.018 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion:240 Resp: 192351
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.6 20.2 30.4





#78

Pyrene

Concen: 108.035 ng

RT: 12.945 min Scan# 1825

Delta R.T. 0.018 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

Instrument :

BNA_F

ClientSampleId :

224

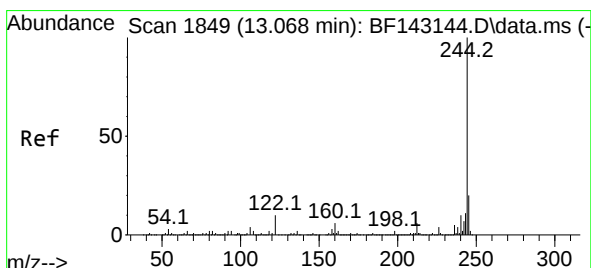
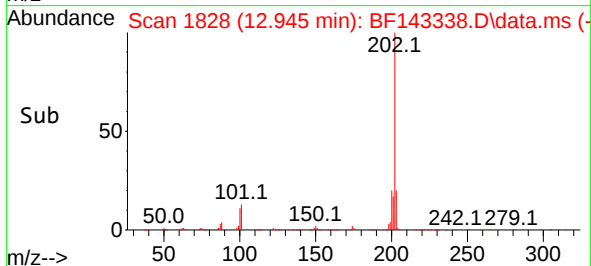
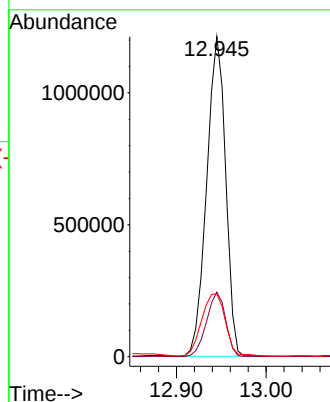
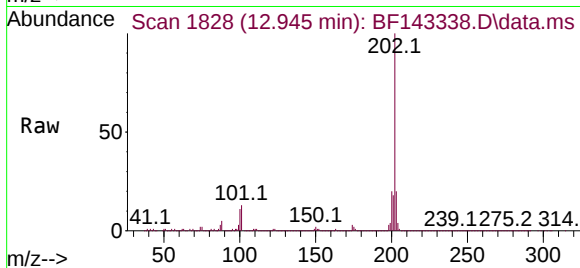
Tgt Ion:202 Resp: 1773511

Ion Ratio Lower Upper

202 100

200 20.2 15.7 23.5

203 19.7 14.2 21.2



#79

Terphenyl-d14

Concen: 19.700 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

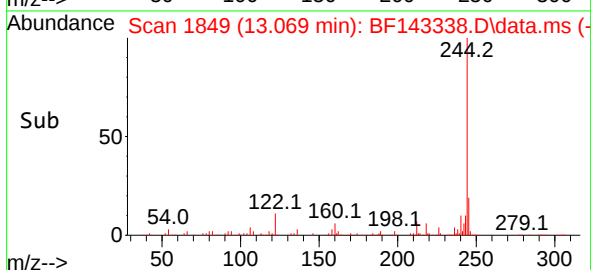
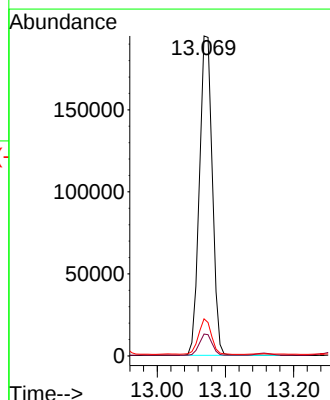
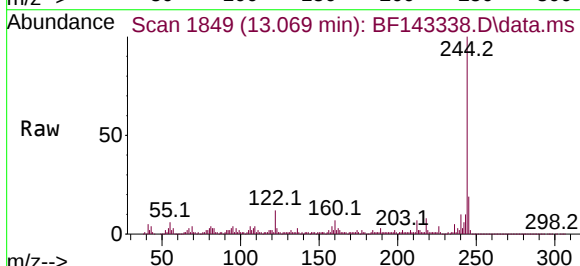
Tgt Ion:244 Resp: 254635

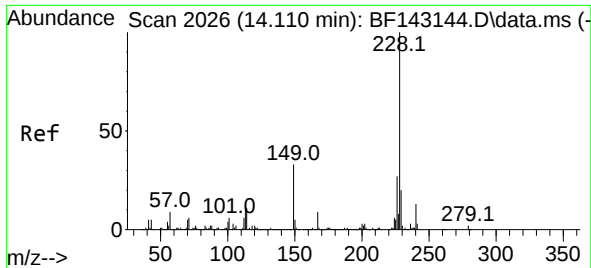
Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

122 11.6 8.2 12.2

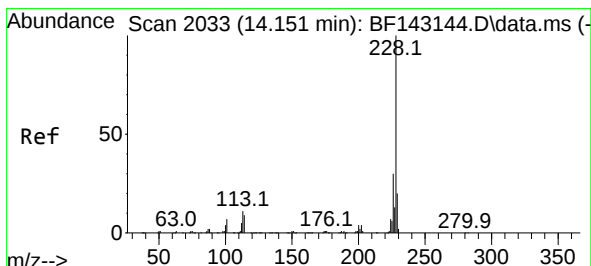
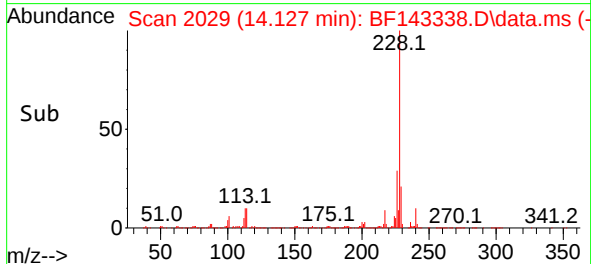
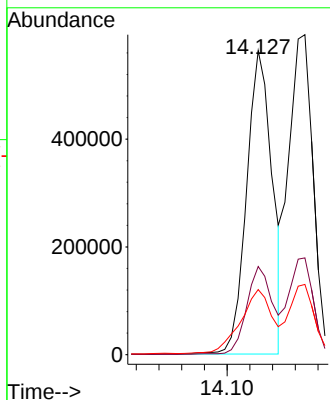
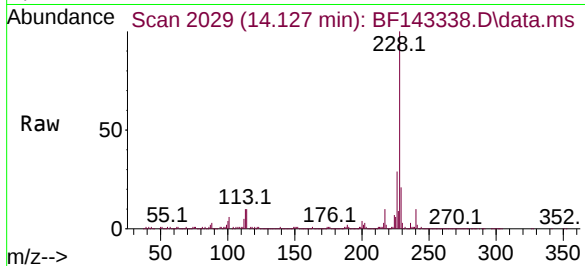




#81
Benzo(a)anthracene
Concen: 68.265 ng
RT: 14.127 min Scan# 2026
Delta R.T. 0.018 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

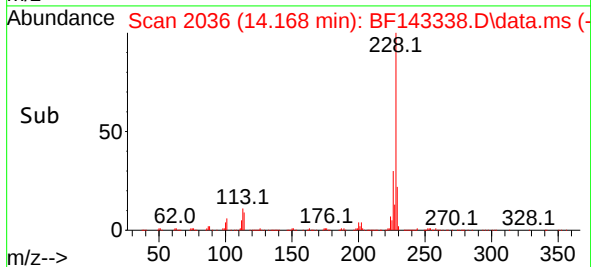
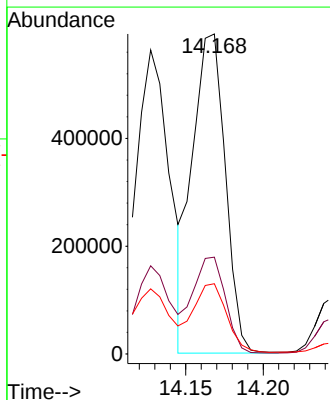
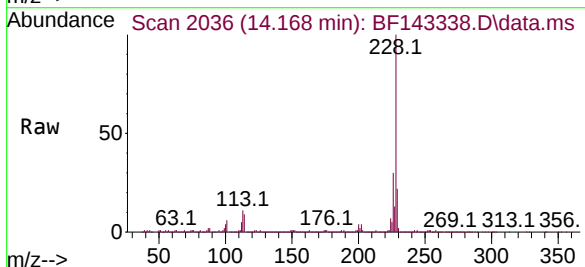
Instrument :
BNA_F
ClientSampleId :
224

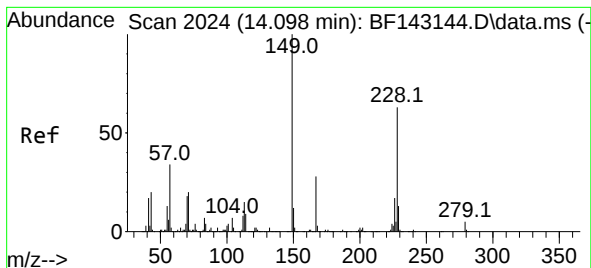
Tgt Ion:228 Resp: 879114
Ion Ratio Lower Upper
228 100
226 29.0 21.7 32.5
229 21.4 15.8 23.6



#83
Chrysene
Concen: 75.574 ng
RT: 14.168 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion:228 Resp: 875025
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 22.0 15.6 23.4

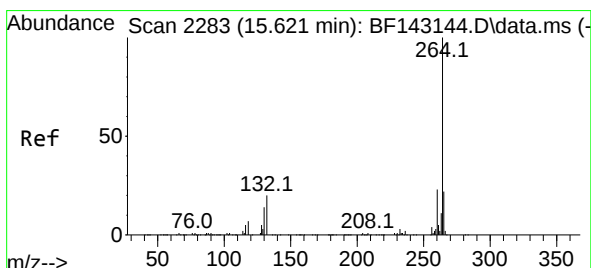
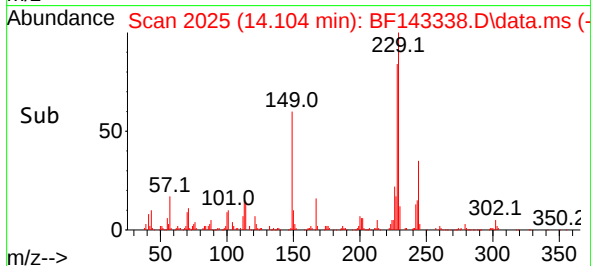
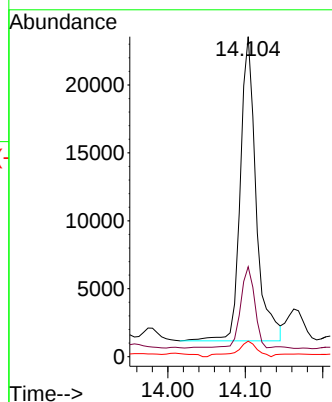
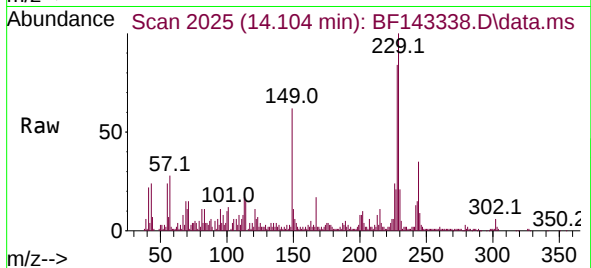




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.189 ng
RT: 14.104 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

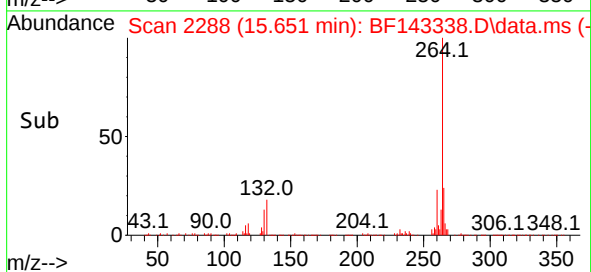
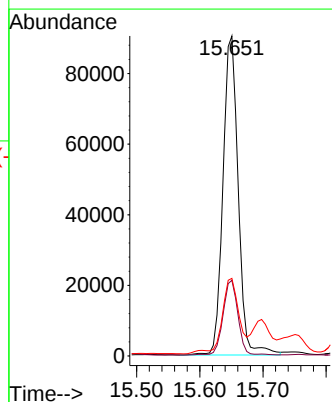
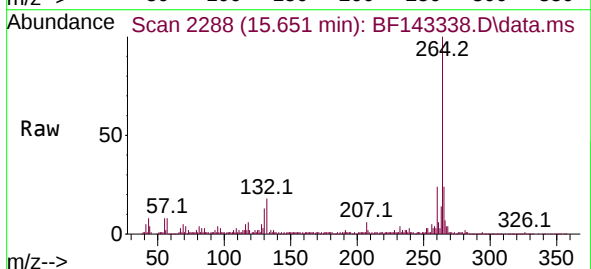
Instrument :
BNA_F
ClientSampleId :
224

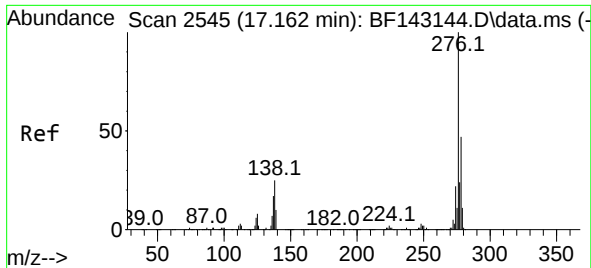
Tgt Ion:149 Resp: 31870
Ion Ratio Lower Upper
149 100
167 28.1 22.3 33.5
279 4.8 3.6 5.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 2288
Delta R.T. 0.029 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion:264 Resp: 151965
Ion Ratio Lower Upper
264 100
260 23.7 18.5 27.7
265 24.2 17.4 26.2

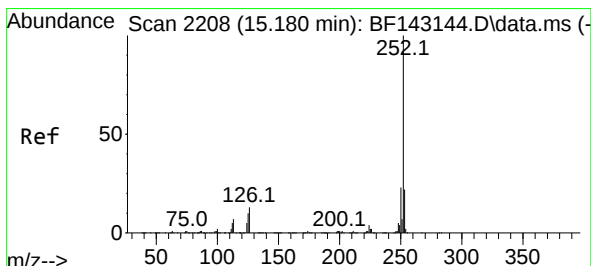
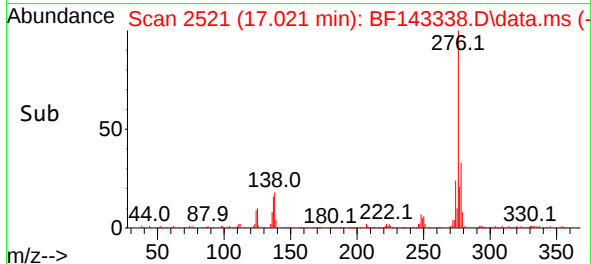
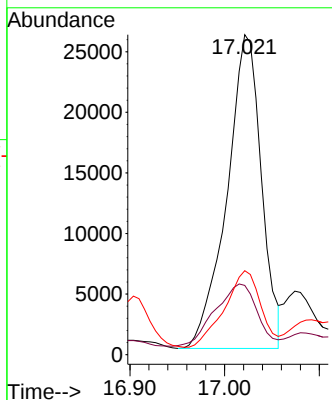
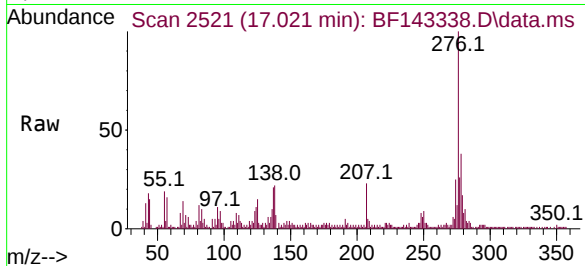




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.120 ng
RT: 17.021 min Scan# 211
Delta R.T. -0.141 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

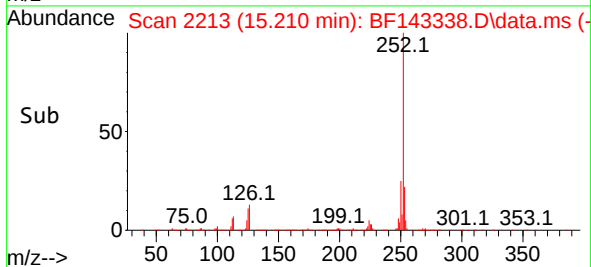
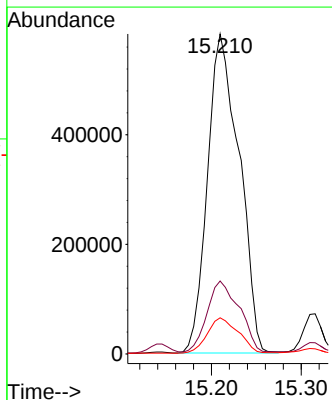
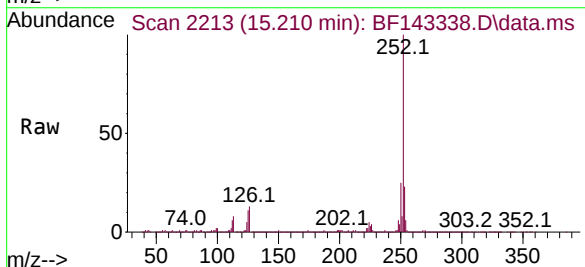
Instrument :
BNA_F
ClientSampleId :
224

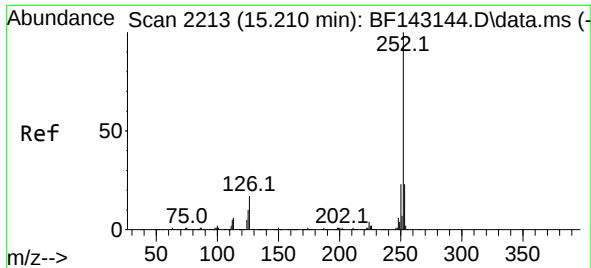
Tgt Ion:276 Resp: 65579
Ion Ratio Lower Upper
276 100
138 23.9 21.8 32.6
277 25.6 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 154.279 ng
RT: 15.210 min Scan# 2213
Delta R.T. 0.029 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion:252 Resp: 1432277
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.3 8.0 12.0

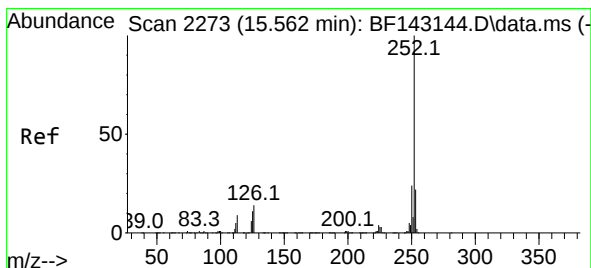
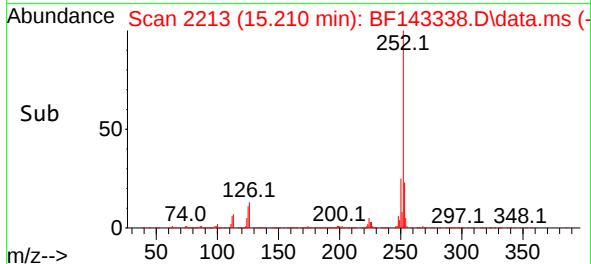
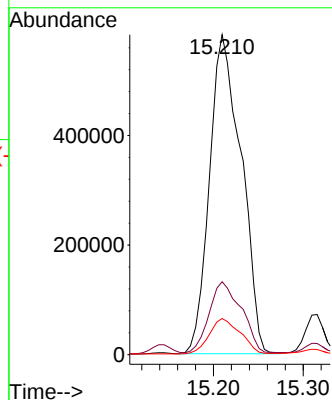
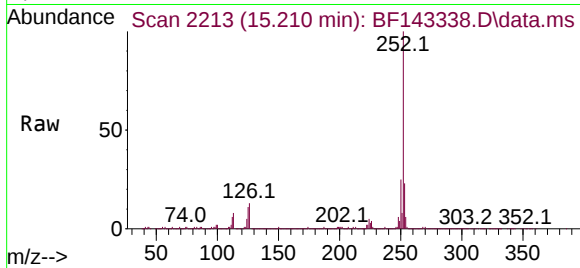




#89
Benzo(k)fluoranthene
Concen: 172.891 ng
RT: 15.210 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

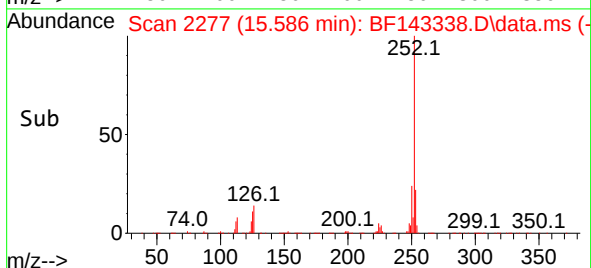
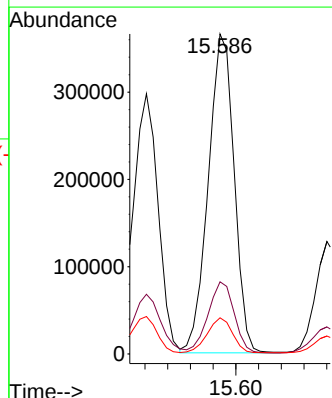
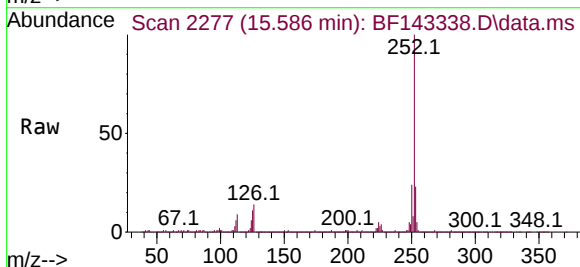
Instrument :
BNA_F
ClientSampleId :
224

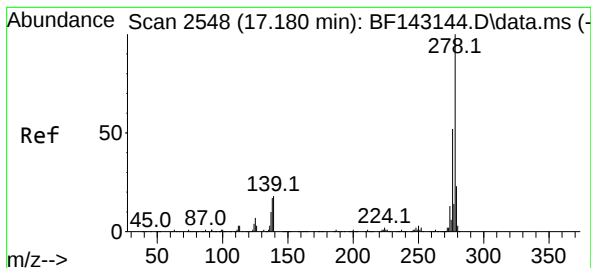
Tgt Ion:252 Resp: 1432277
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.3 8.1 12.1



#90
Benzo(a)pyrene
Concen: 67.689 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.024 min
Lab File: BF143338.D
Acq: 06 Aug 2025 19:09

Tgt Ion:252 Resp: 578977
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 11.3 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 3.465 ng

RT: 17.139 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

Instrument :

BNA_F

ClientSampleId :

224

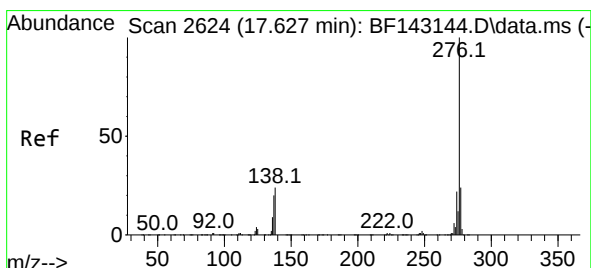
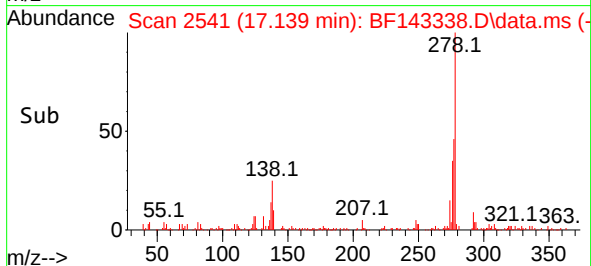
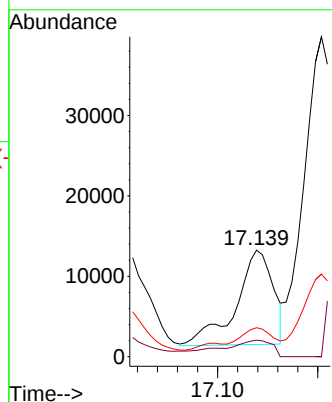
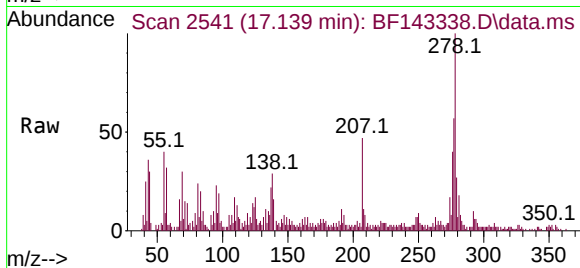
Tgt Ion:278 Resp: 30220

Ion Ratio Lower Upper

278 100

139 15.5 14.1 21.1

279 27.2 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 43.322 ng

RT: 17.674 min Scan# 2632

Delta R.T. 0.047 min

Lab File: BF143338.D

Acq: 06 Aug 2025 19:09

Tgt Ion:276 Resp: 365503

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 22.4 18.9 28.3

