

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143170.D
 Acq On : 21 Jul 2025 14:30
 Operator : RC/JU
 Sample : Q2635-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2286

Quant Time: Jul 21 14:57:06 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)

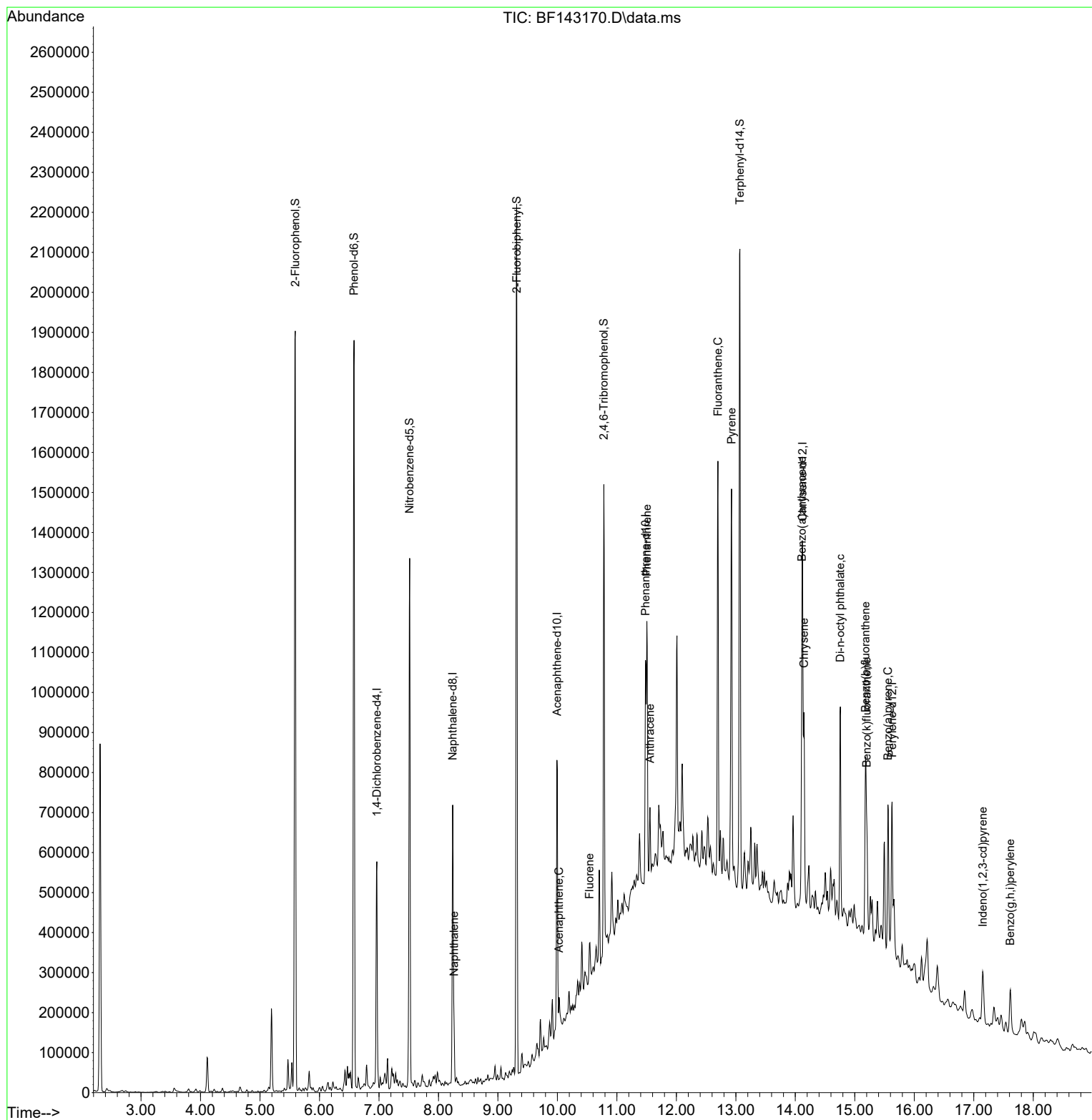
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	115306	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	405556	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	189302	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	293438	20.000	ng	0.00
76) Chrysene-d12	14.121	240	260679	20.000	ng	0.00
86) Perylene-d12	15.627	264	231121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	724856	99.480	ng	0.00
7) Phenol-d6	6.581	99	878583	95.796	ng	0.00
23) Nitrobenzene-d5	7.516	82	565652	69.524	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	201179	102.873	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	937585	67.736	ng	0.00
79) Terphenyl-d14	13.069	244	807150	46.077	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.263	128	79141	3.962	ng	99
52) Acenaphthene	10.028	154	24746	2.286	ng	96
58) Fluorene	10.539	166	29697	2.462	ng	# 95
71) Phenanthrene	11.504	178	337638	21.670	ng	99
72) Anthracene	11.557	178	103286	6.500	ng	97
75) Fluoranthene	12.698	202	589349	41.210	ng	99
78) Pyrene	12.927	202	588106	26.435	ng	99
81) Benzo(a)anthracene	14.110	228	301345	17.267	ng	97
83) Chrysene	14.145	228	254809	16.239	ng	97
85) Di-n-octyl phthalate	14.757	149	67877	3.632	ng	# 44
87) Indeno(1,2,3-cd)pyrene	17.151	276	102773	6.306	ng	94
88) Benzo(b)fluoranthene	15.180	252	316067m	22.385	ng	
89) Benzo(k)fluoranthene	15.198	252	110892m	8.801	ng	
90) Benzo(a)pyrene	15.557	252	236440	18.175	ng	96
92) Benzo(g,h,i)perylene	17.615	276	99410	7.747	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143170.D
Acq On : 21 Jul 2025 14:30
Operator : RC/JU
Sample : Q2635-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT2286

Quant Time: Jul 21 14:57:06 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

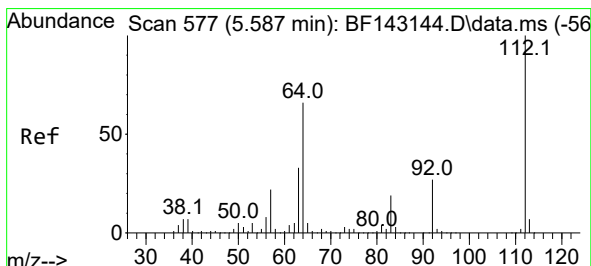
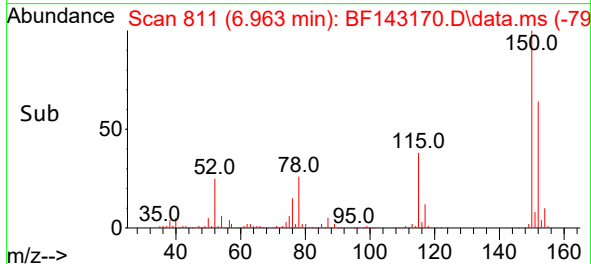
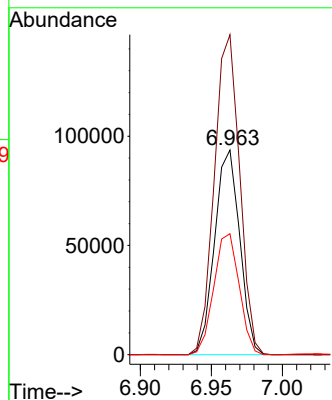
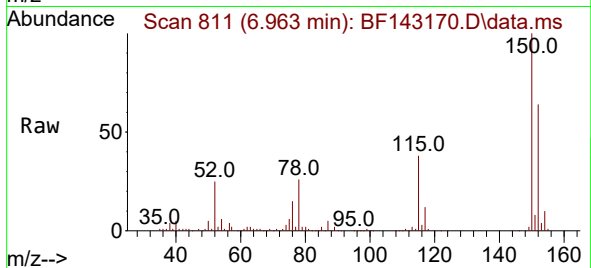




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143170.D
Acq: 21 Jul 2025 14:30

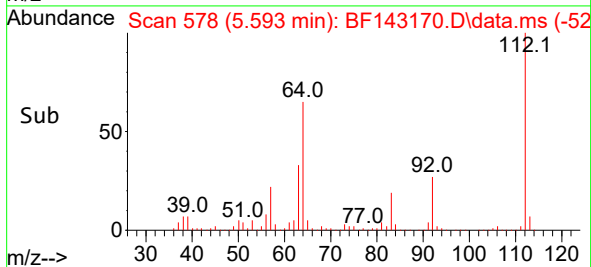
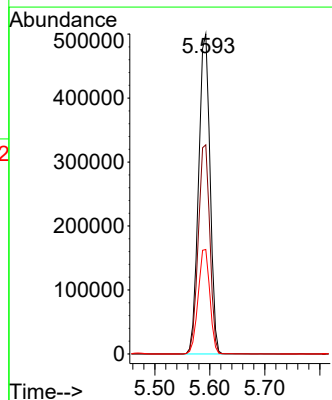
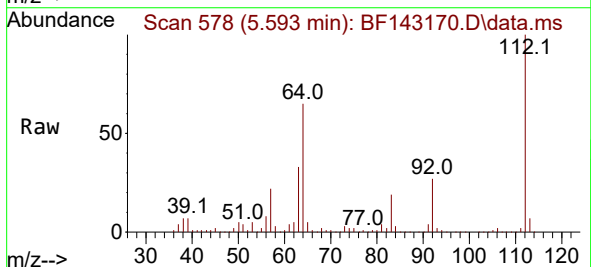
Instrument :
BNA_F
ClientSampleId :
RT2286

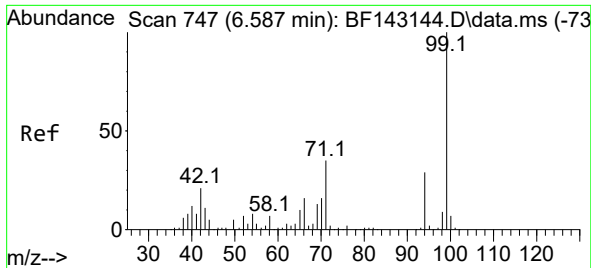
Tgt Ion:152 Resp: 115306
Ion Ratio Lower Upper
152 100
150 156.4 128.2 192.4
115 59.1 47.9 71.9



#5
2-Fluorophenol
Concen: 99.480 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143170.D
Acq: 21 Jul 2025 14:30

Tgt Ion:112 Resp: 724856
Ion Ratio Lower Upper
112 100
64 65.4 53.1 79.7
63 32.6 26.6 40.0

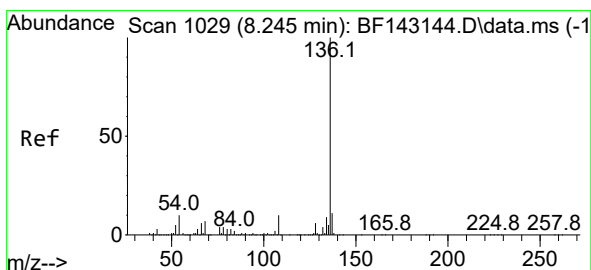
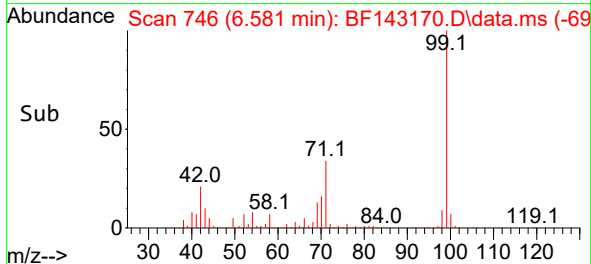
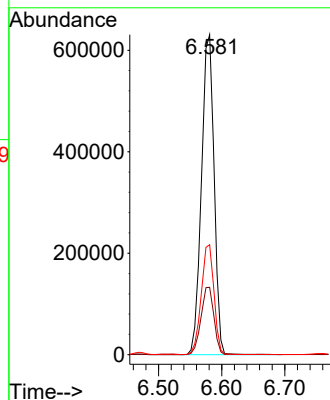
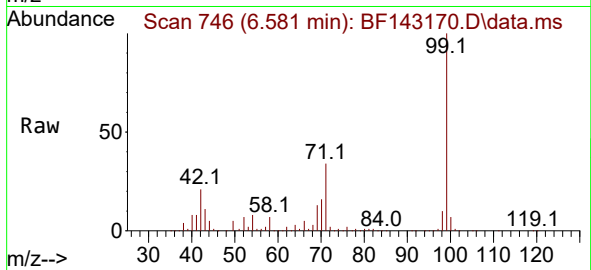




#7
Phenol-d6
Concen: 95.796 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143170.D
Acq: 21 Jul 2025 14:30

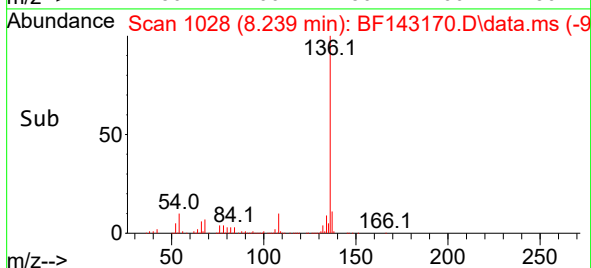
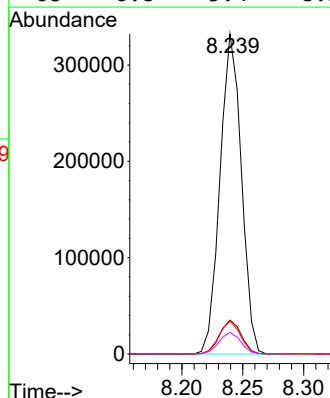
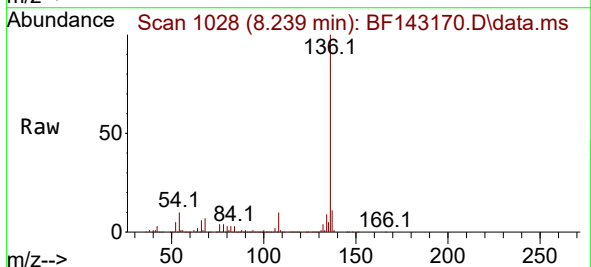
Instrument :
BNA_F
ClientSampleId :
RT2286

Tgt Ion: 99 Resp: 878583
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.3 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143170.D
Acq: 21 Jul 2025 14:30

Tgt Ion: 136 Resp: 405556
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 10.2 8.2 12.2
68 6.8 5.4 8.2





#23

Nitrobenzene-d5

Concen: 69.524 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

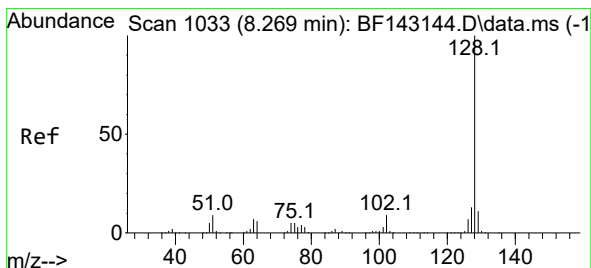
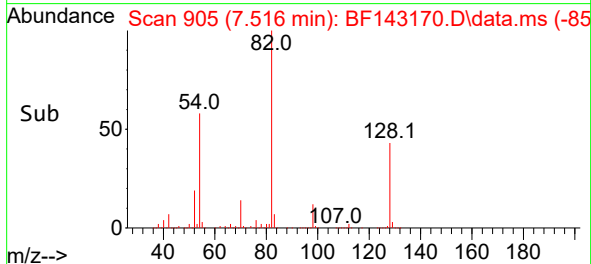
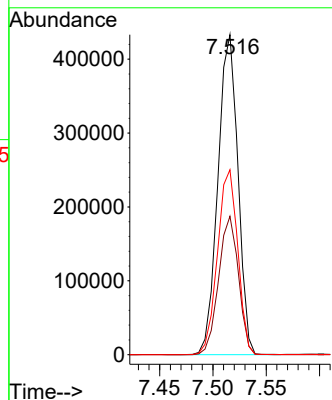
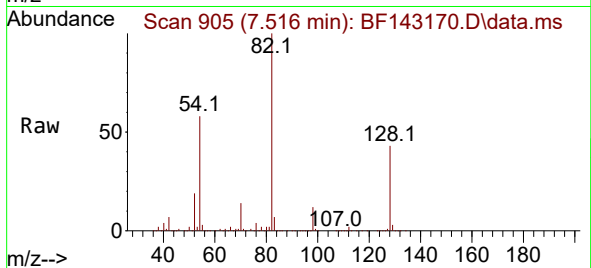
Tgt Ion: 82 Resp: 565652

Ion Ratio Lower Upper

82 100

128 43.2 33.6 50.4

54 57.8 47.1 70.7



#31

Naphthalene

Concen: 3.962 ng

RT: 8.263 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

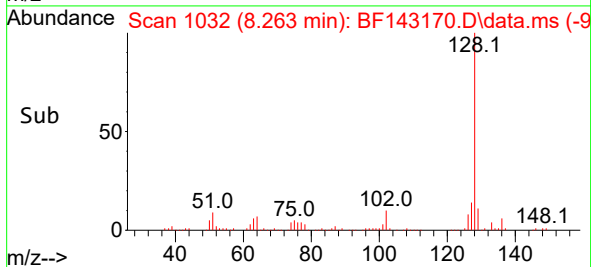
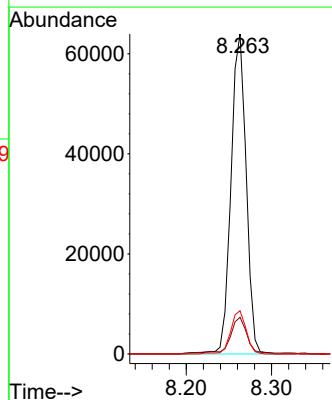
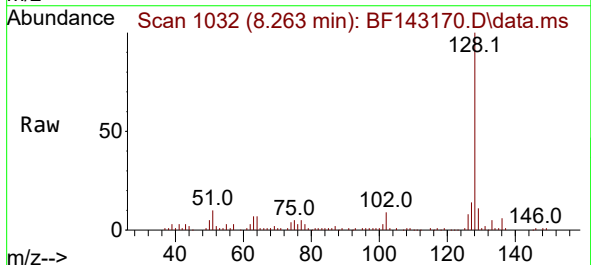
Tgt Ion: 128 Resp: 79141

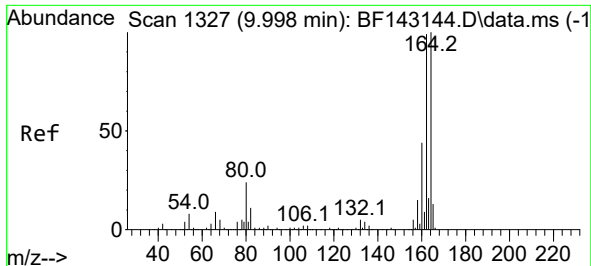
Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

127 13.5 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

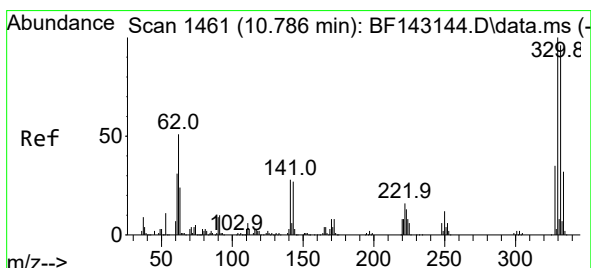
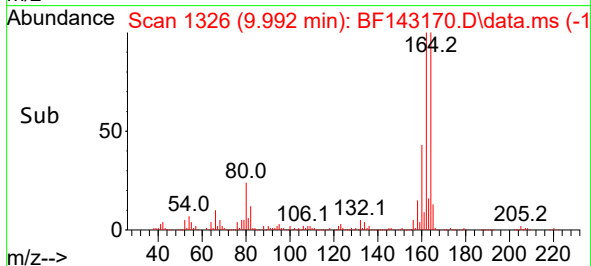
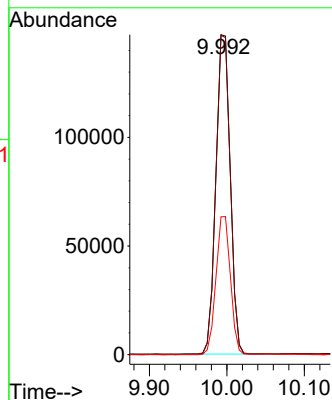
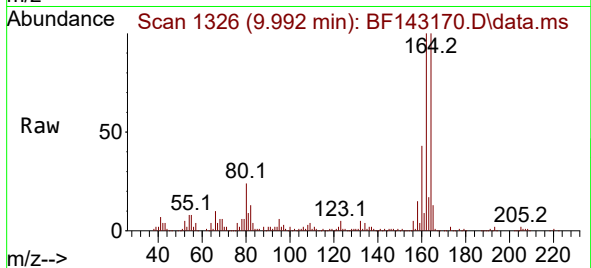
Tgt Ion:164 Resp: 189302

Ion Ratio Lower Upper

164 100

162 99.7 79.0 118.6

160 43.1 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 102.873 ng

RT: 10.781 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

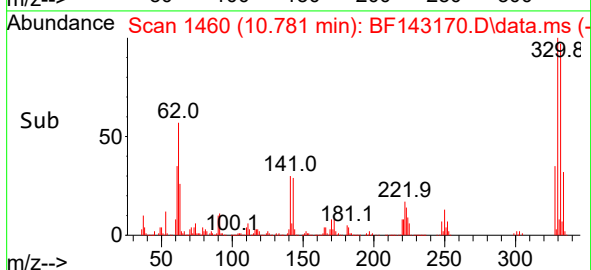
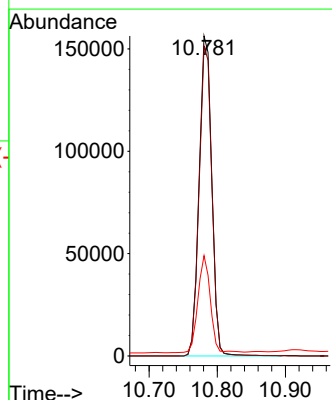
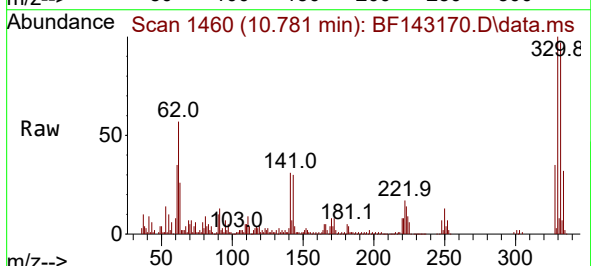
Tgt Ion:330 Resp: 201179

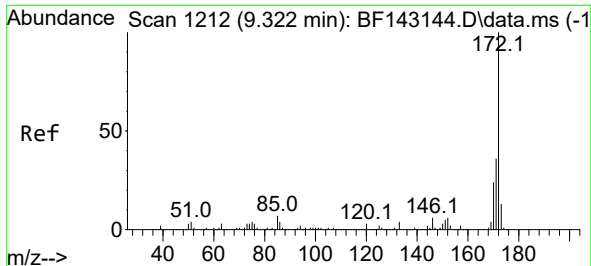
Ion Ratio Lower Upper

330 100

332 97.1 76.7 115.1

141 29.8 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 67.736 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

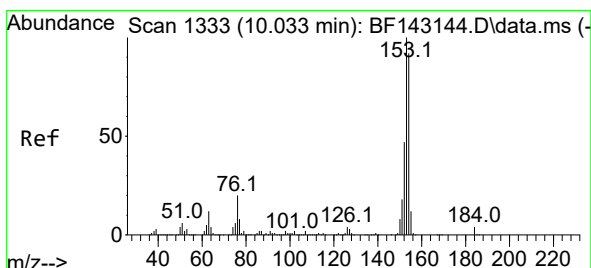
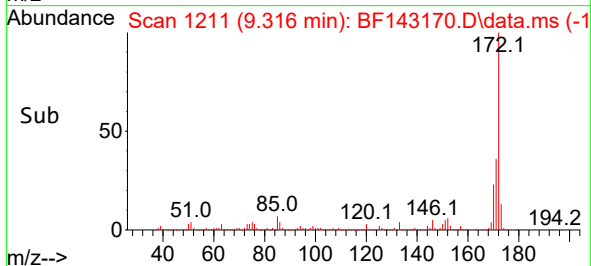
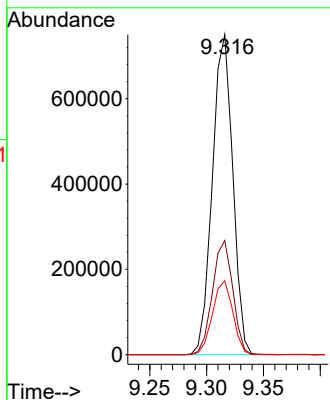
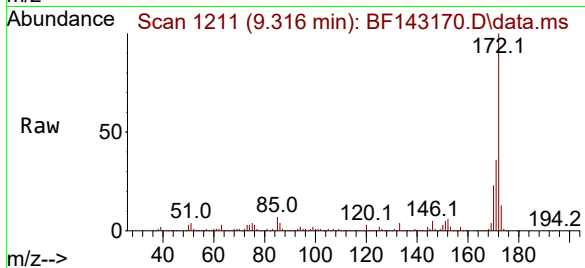
Tgt Ion:172 Resp: 937585

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.1 18.8 28.2



#52

Acenaphthene

Concen: 2.286 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

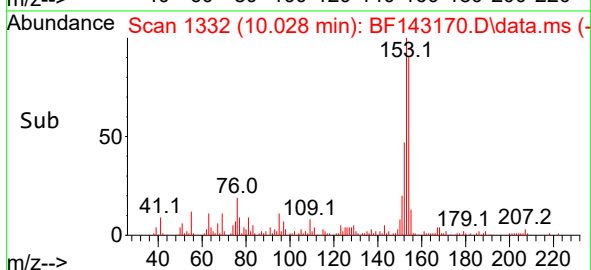
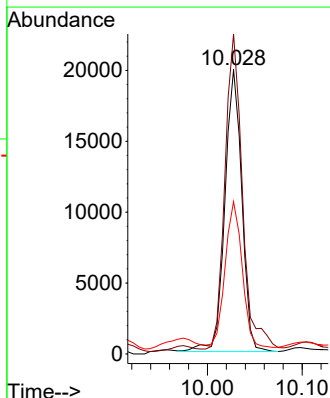
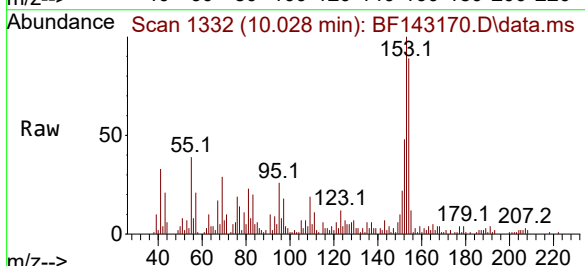
Tgt Ion:154 Resp: 24746

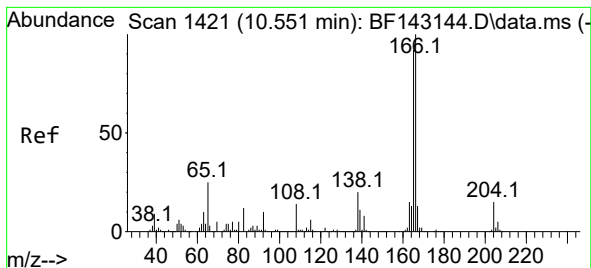
Ion Ratio Lower Upper

154 100

153 112.5 86.6 129.8

152 53.5 40.4 60.6





#58

Fluorene

Concen: 2.462 ng

RT: 10.539 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

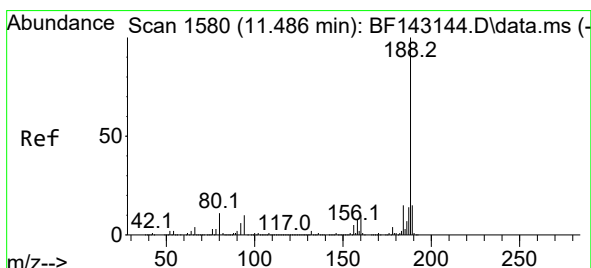
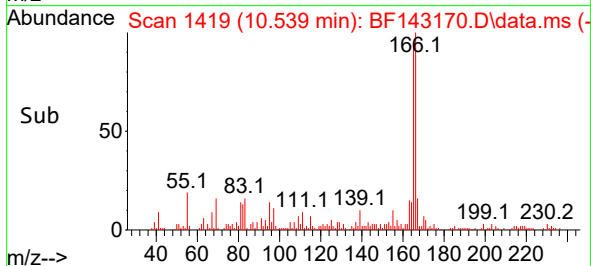
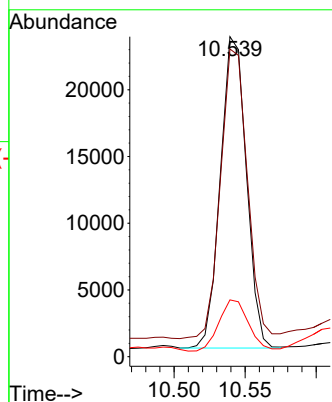
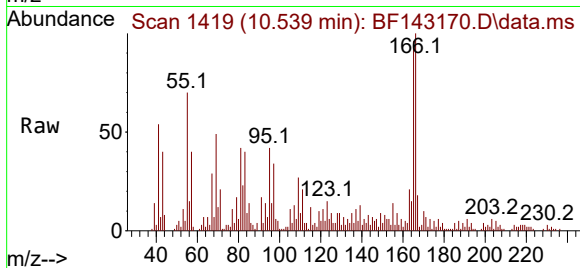
Tgt Ion:166 Resp: 29697

Ion Ratio Lower Upper

166 100

165 96.1 73.7 110.5

167 17.8 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: BF143170.D

Acq: 21 Jul 2025 14:30

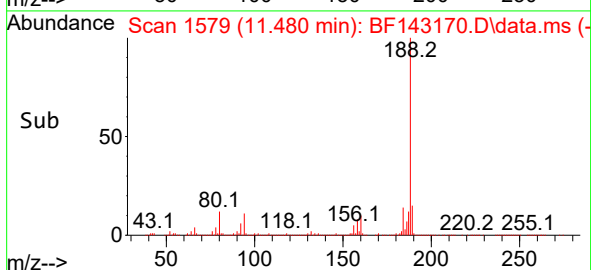
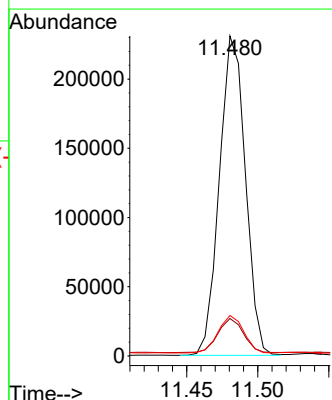
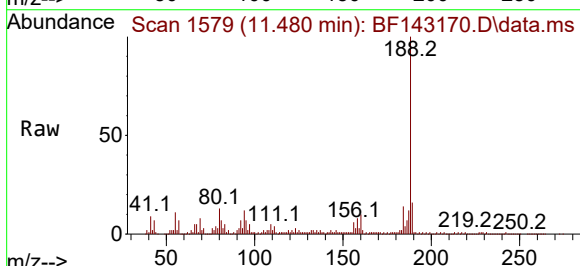
Tgt Ion:188 Resp: 293438

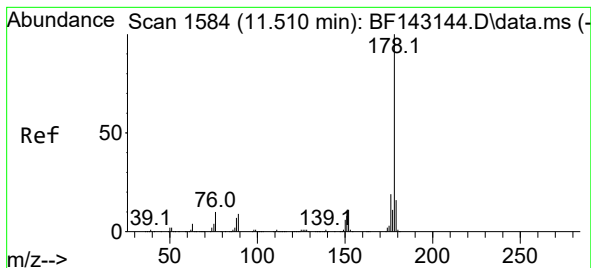
Ion Ratio Lower Upper

188 100

94 11.7 8.3 12.5

80 12.6 9.0 13.6





#71

Phenanthrene

Concen: 21.670 ng

RT: 11.504 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

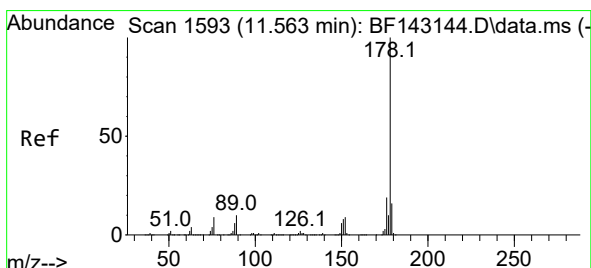
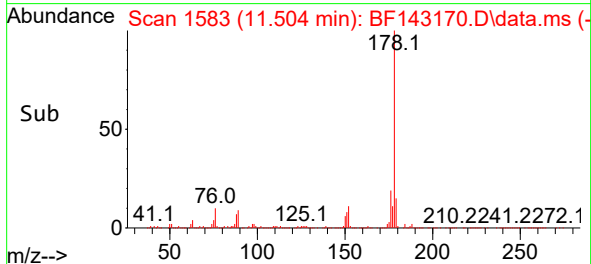
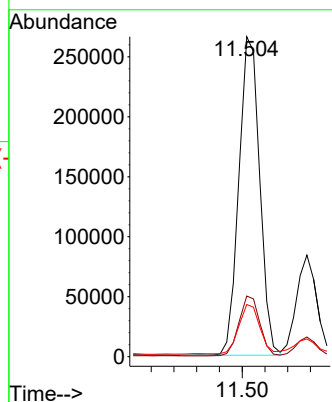
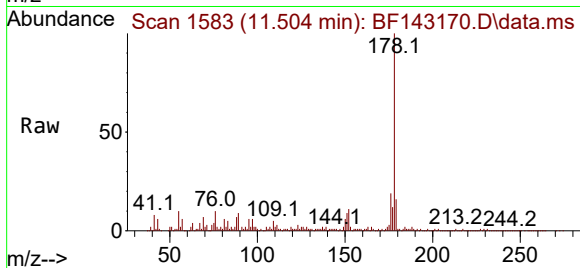
Tgt Ion:178 Resp: 337638

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 16.3 12.5 18.7



#72

Anthracene

Concen: 6.500 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

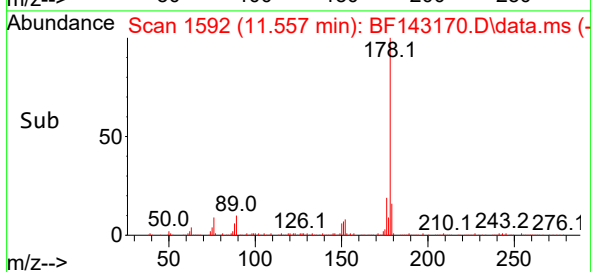
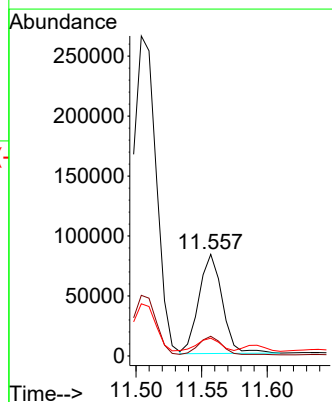
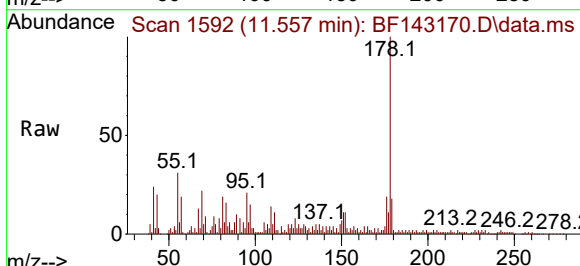
Tgt Ion:178 Resp: 103286

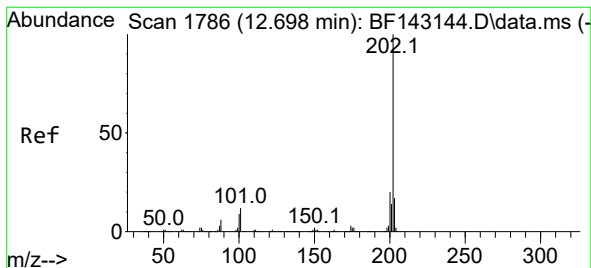
Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.4

179 17.5 12.5 18.7





#75

Fluoranthene

Concen: 41.210 ng

RT: 12.698 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

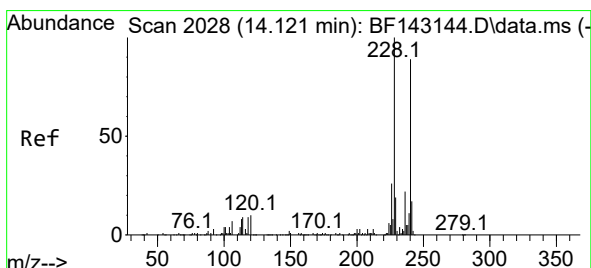
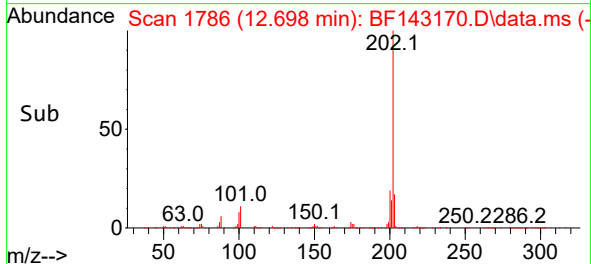
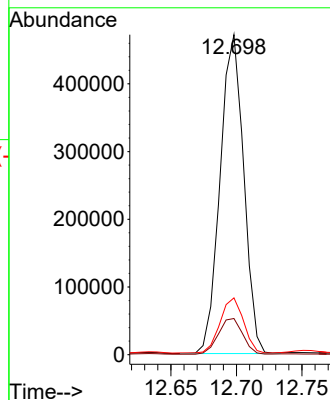
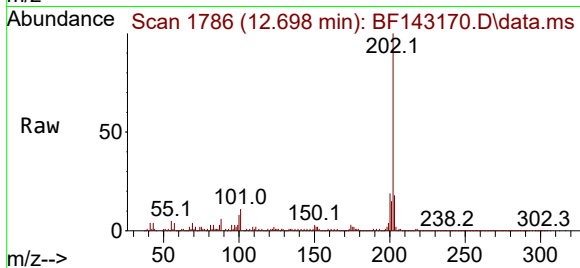
Tgt Ion:202 Resp: 589349

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.7

203 17.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

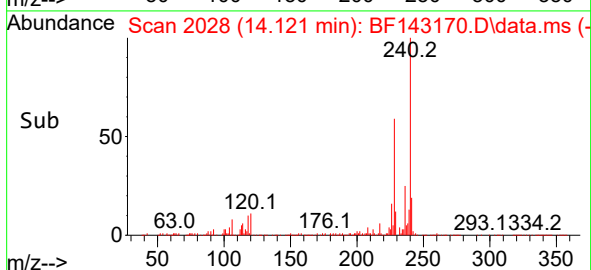
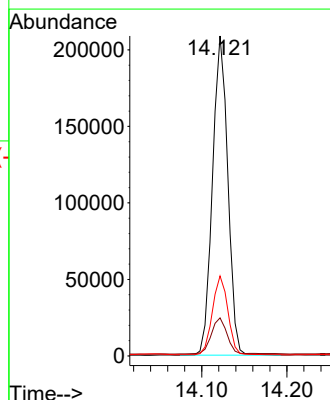
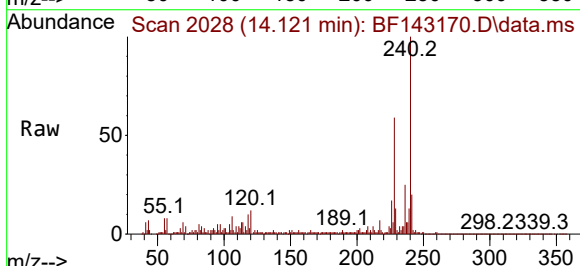
Tgt Ion:240 Resp: 260679

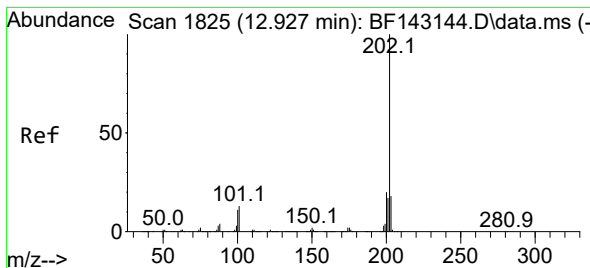
Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

236 25.0 20.2 30.4





#78

Pyrene

Concen: 26.435 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

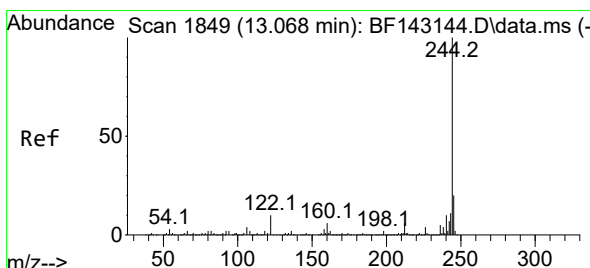
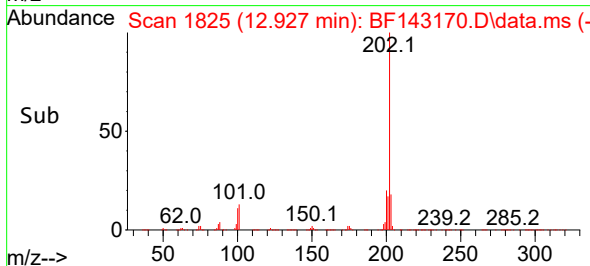
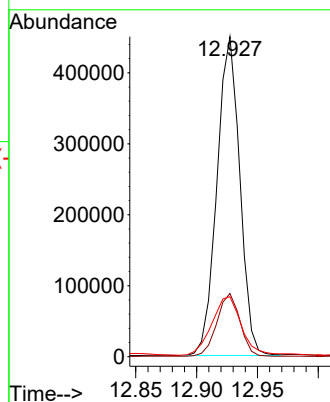
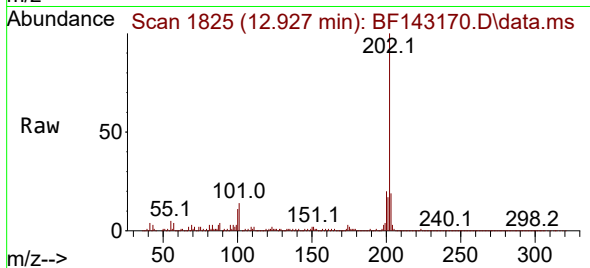
Tgt Ion:202 Resp: 588106

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

203 18.8 14.2 21.2



#79

Terphenyl-d14

Concen: 46.077 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

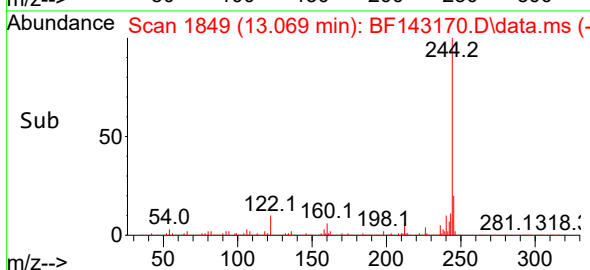
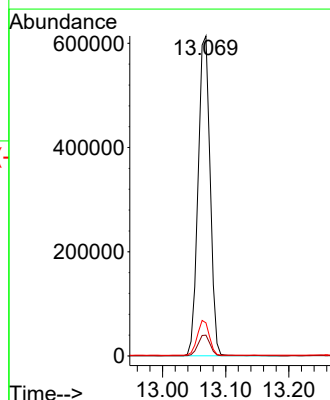
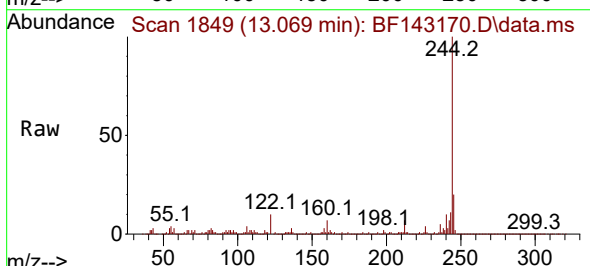
Tgt Ion:244 Resp: 807150

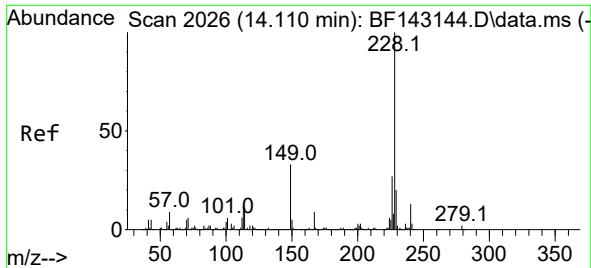
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.4 8.2 12.2

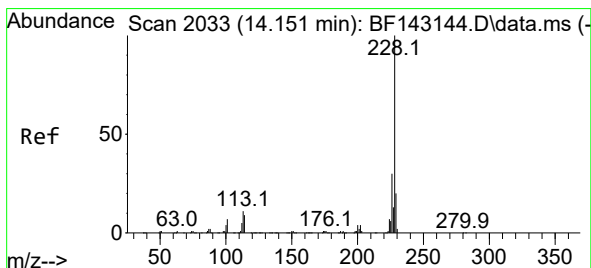
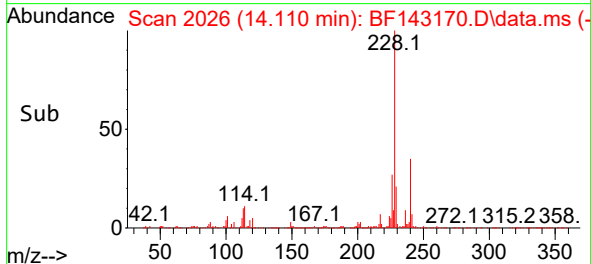
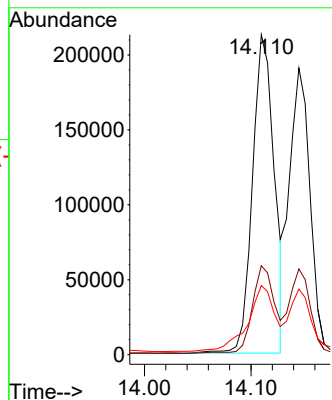
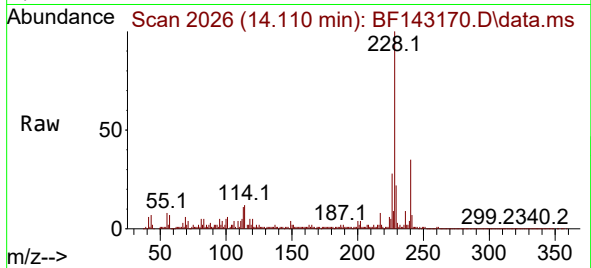




#81
Benzo(a)anthracene
Concen: 17.267 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143170.D
Acq: 21 Jul 2025 14:30

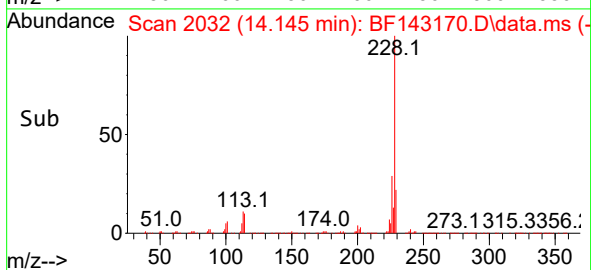
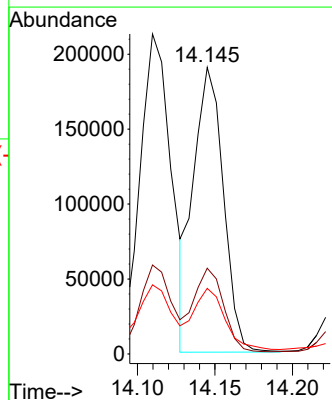
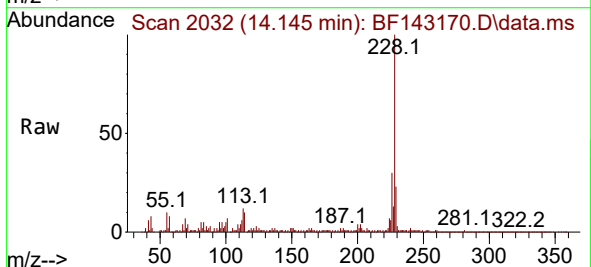
Instrument :
BNA_F
ClientSampleId :
RT2286

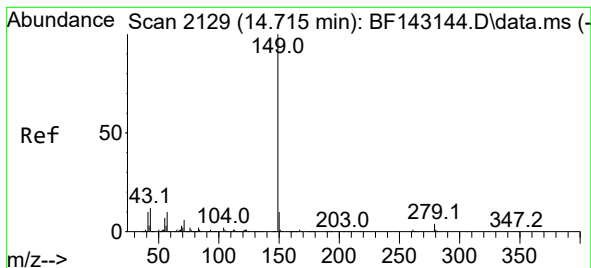
Tgt Ion:228 Resp: 301345
Ion Ratio Lower Upper
228 100
226 27.8 21.7 32.5
229 21.6 15.8 23.6



#83
Chrysene
Concen: 16.239 ng
RT: 14.145 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF143170.D
Acq: 21 Jul 2025 14:30

Tgt Ion:228 Resp: 254809
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 22.9 15.6 23.4





#85

Di-n-octyl phthalate

Concen: 3.632 ng

RT: 14.757 min Scan# 2136

Delta R.T. 0.041 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

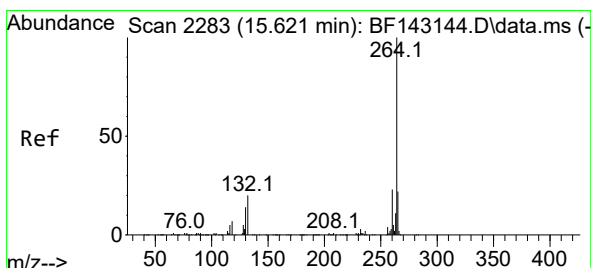
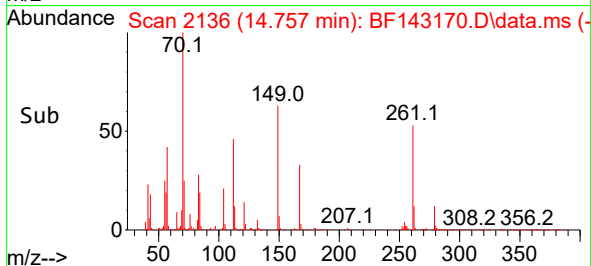
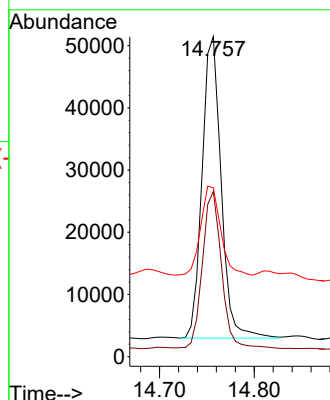
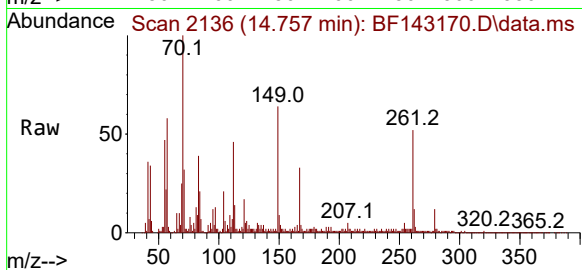
Tgt Ion:149 Resp: 67877

Ion Ratio Lower Upper

149 100

167 52.1 1.1 1.7#

43 30.7 9.7 14.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

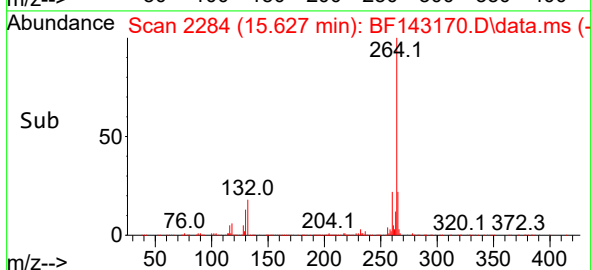
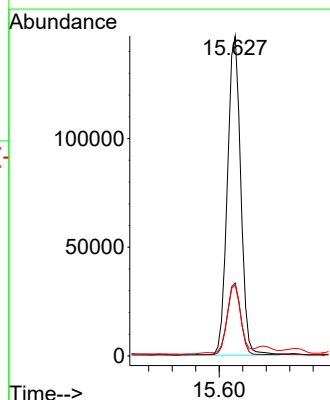
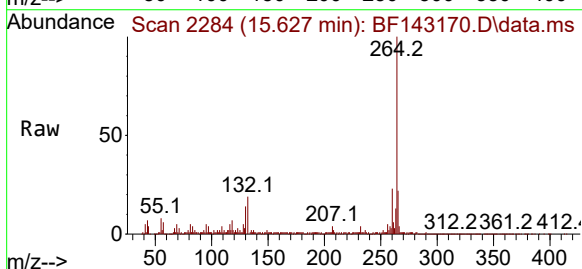
Tgt Ion:264 Resp: 231121

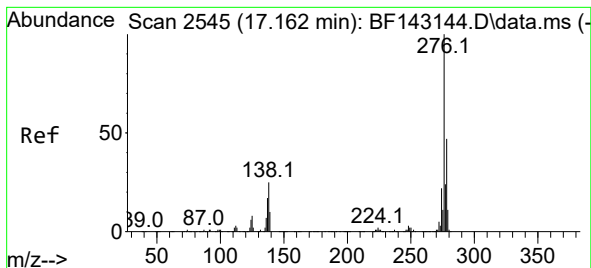
Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 22.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.306 ng

RT: 17.151 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

Instrument :

BNA_F

ClientSampleId :

RT2286

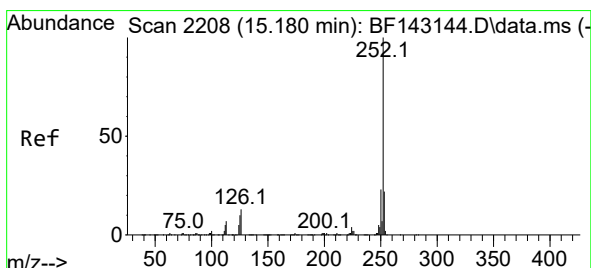
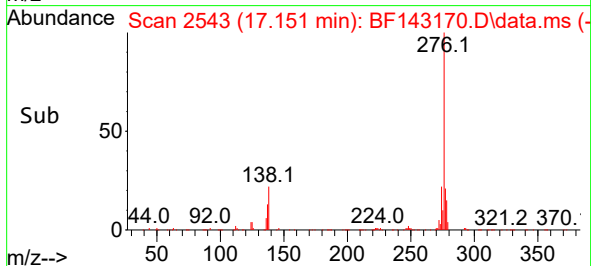
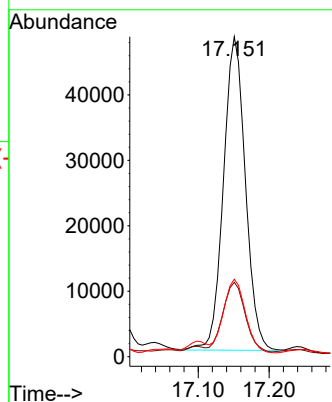
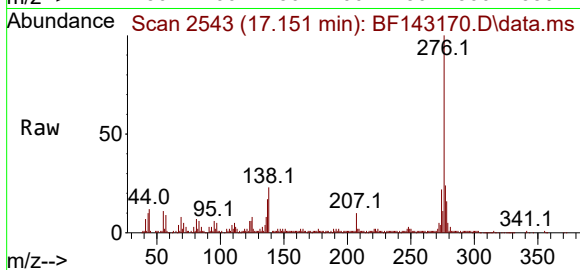
Tgt Ion:276 Resp: 102773

Ion Ratio Lower Upper

276 100

138 22.5 21.8 32.6

277 23.6 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 22.385 ng m

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143170.D

Acq: 21 Jul 2025 14:30

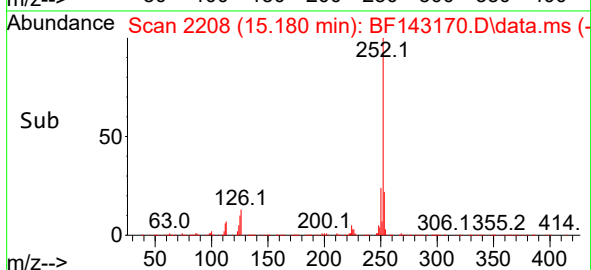
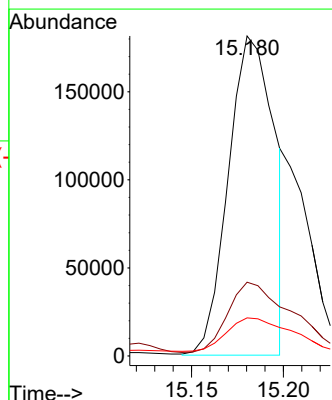
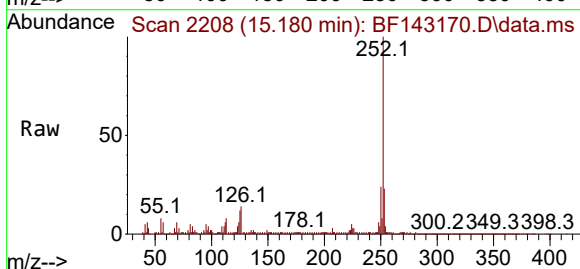
Tgt Ion:252 Resp: 316067

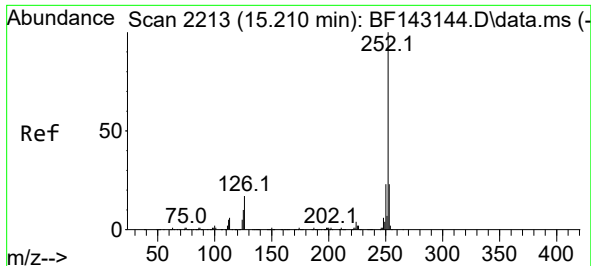
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.9 8.0 12.0

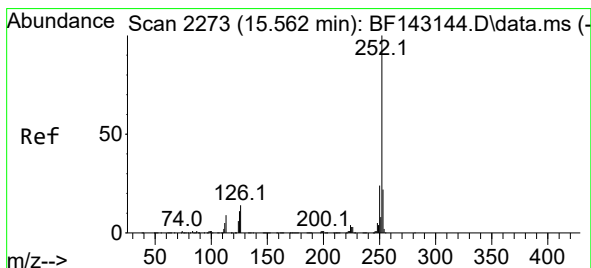
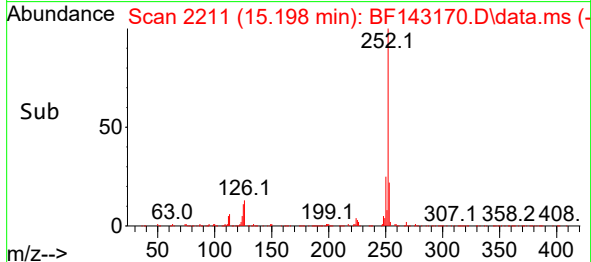
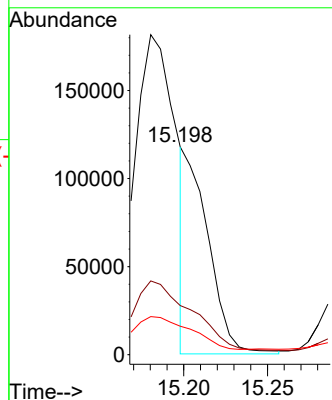
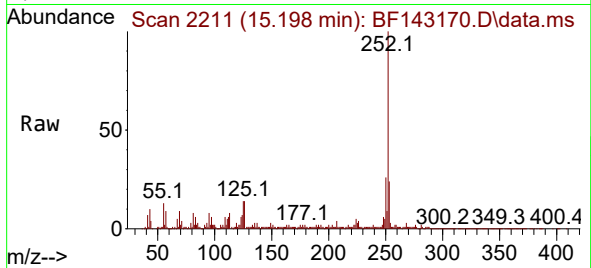




#89
Benzo(k)fluoranthene
Concen: 8.801 ng m
RT: 15.198 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143170.D
Acq: 21 Jul 2025 14:30

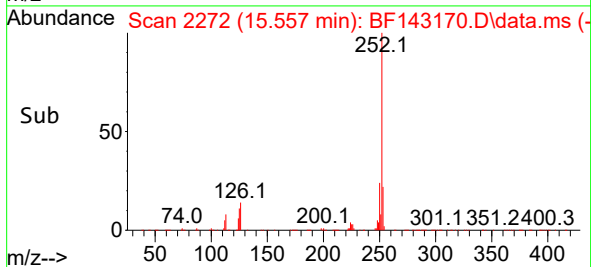
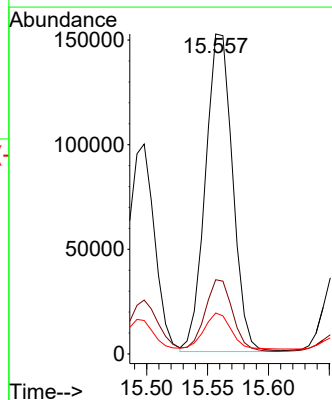
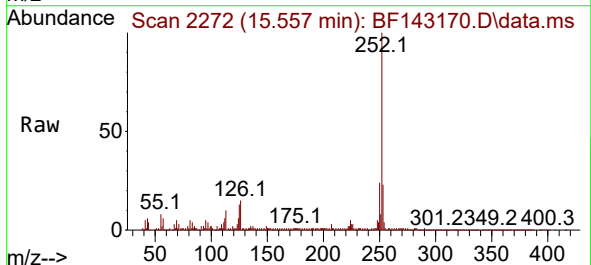
Instrument :
BNA_F
ClientSampleId :
RT2286

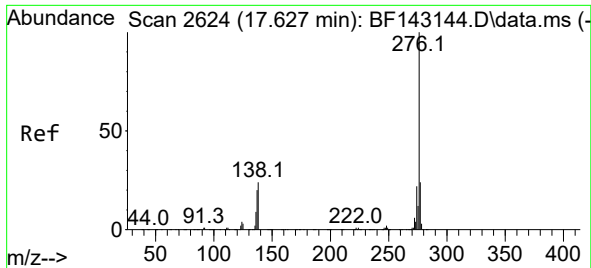
Tgt Ion:252 Resp: 110892
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 13.7 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 18.175 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143170.D
Acq: 21 Jul 2025 14:30

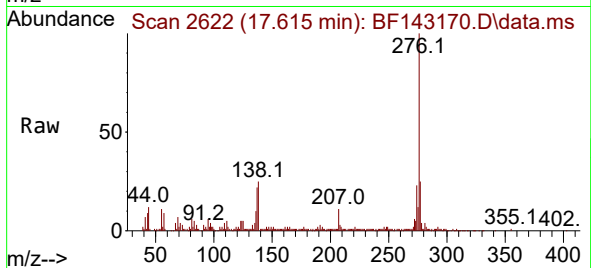
Tgt Ion:252 Resp: 236440
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 12.8 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 7.747 ng
 RT: 17.615 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF143170.D
 Acq: 21 Jul 2025 14:30

Instrument :
 BNA_F
 ClientSampleId :
 RT2286



Tgt Ion:	276	Resp:	99410
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.1	28.7
138	24.8	18.9	28.3

