

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
 Data File : BF143253.D
 Acq On : 25 Jul 2025 16:17
 Operator : RC/JU
 Sample : Q2689-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-07232025

Quant Time: Jul 25 16:43:08 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)

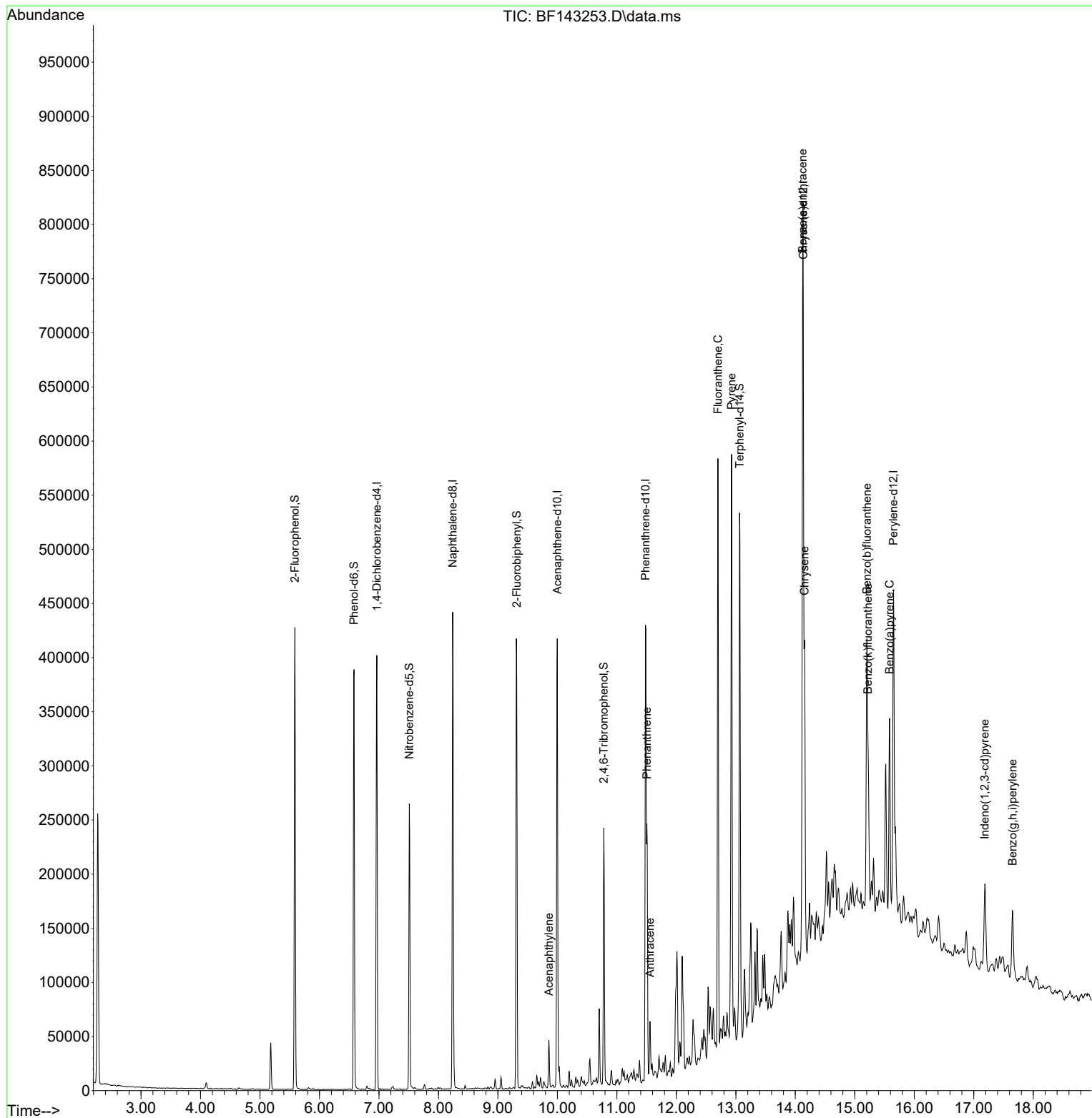
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	82375	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	269153	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	120529	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	217208	20.000	ng	0.00
76) Chrysene-d12	14.133	240	229628	20.000	ng	0.01
86) Perylene-d12	15.651	264	173893	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	147143	28.267	ng	0.00
7) Phenol-d6	6.581	99	169979	25.943	ng	0.00
23) Nitrobenzene-d5	7.510	82	107003	19.817	ng	-0.01
42) 2,4,6-Tribromophenol	10.781	330	36097	28.990	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	182990	20.764	ng	0.00
79) Terphenyl-d14	13.063	244	226449	14.675	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.857	152	24998	2.144	ng	99
71) Phenanthrene	11.504	178	118195	10.248	ng	100
72) Anthracene	11.557	178	30544	2.597	ng	99
75) Fluoranthene	12.698	202	293657	27.741	ng	99
78) Pyrene	12.927	202	302704	15.446	ng	99
81) Benzo(a)anthracene	14.121	228	190370	12.383	ng	94
83) Chrysene	14.157	228	149566	10.821	ng	98
87) Indeno(1,2,3-cd)pyrene	17.186	276	57574	4.695	ng	92
88) Benzo(b)fluoranthene	15.204	252	173276m	16.311	ng	
89) Benzo(k)fluoranthene	15.221	252	56976m	6.010	ng	
90) Benzo(a)pyrene	15.586	252	115036	11.753	ng	99
92) Benzo(g,h,i)perylene	17.651	276	57133	5.918	ng	98

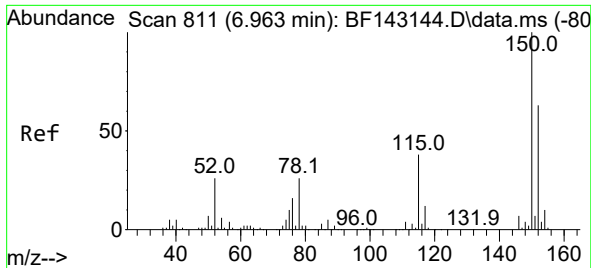
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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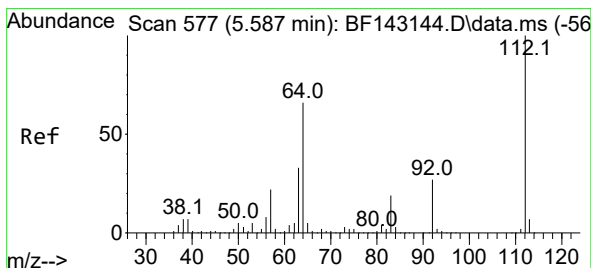
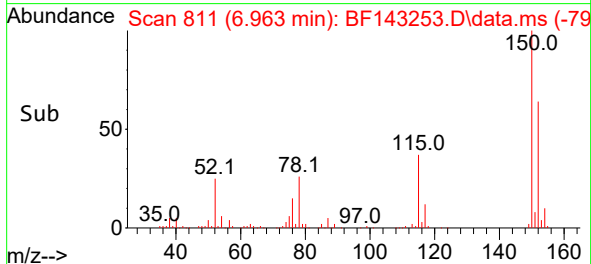
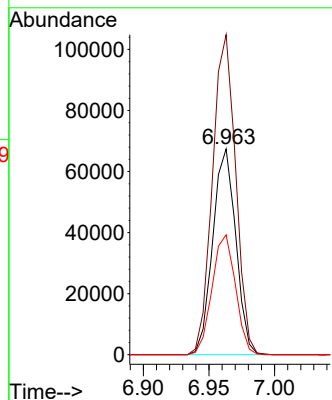
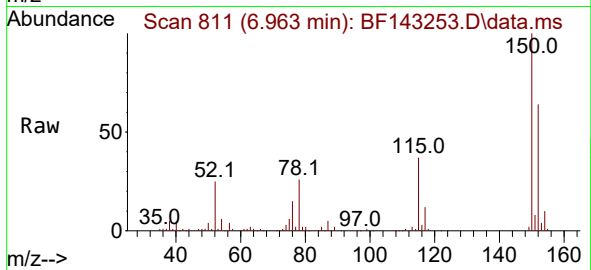




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

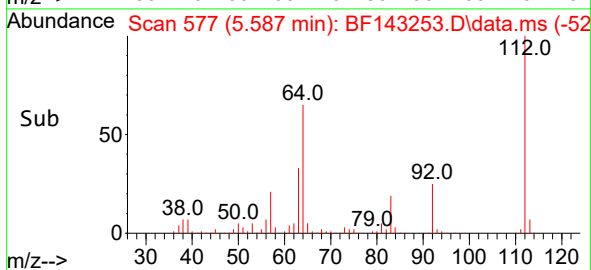
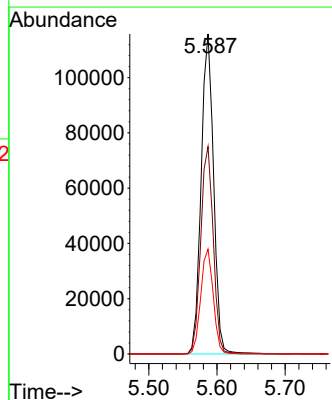
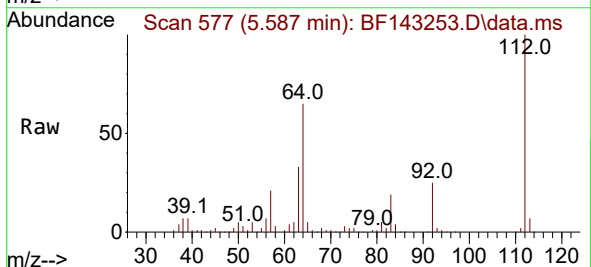
Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

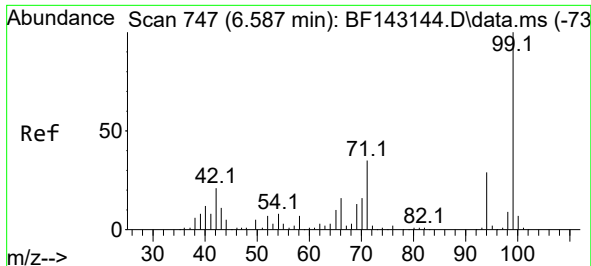
Tgt Ion:152 Resp: 82375
Ion Ratio Lower Upper
152 100
150 155.5 128.2 192.4
115 58.2 47.9 71.9



#5
2-Fluorophenol
Concen: 28.267 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

Tgt Ion:112 Resp: 147143
Ion Ratio Lower Upper
112 100
64 64.8 53.1 79.7
63 32.7 26.6 40.0

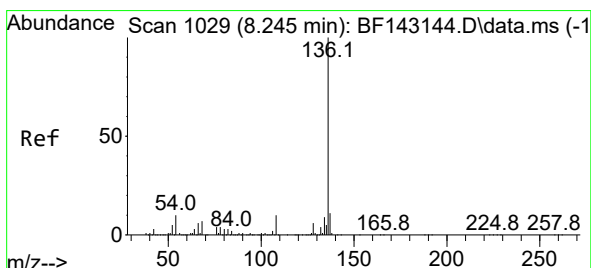
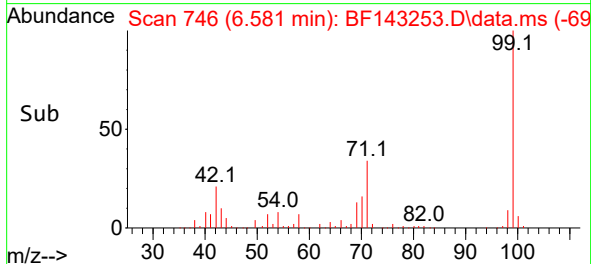
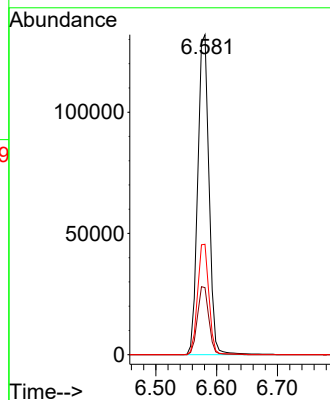
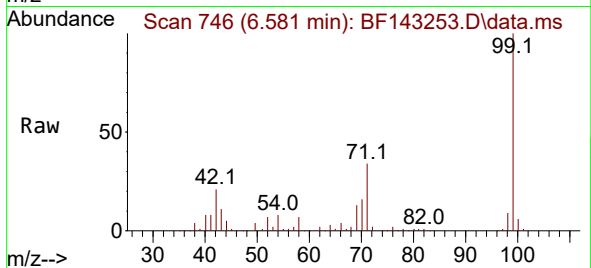




#7
Phenol-d6
Concen: 25.943 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

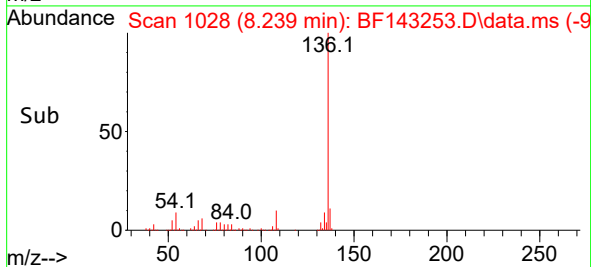
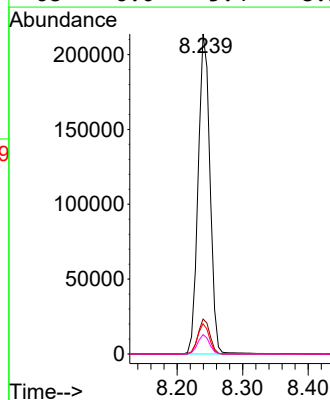
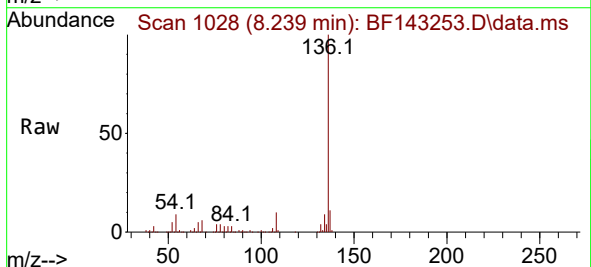
Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

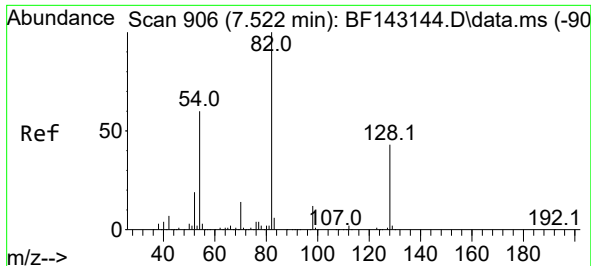
Tgt Ion: 99 Resp: 169979
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 34.5 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

Tgt Ion: 136 Resp: 269153
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.5 8.2 12.2
68 6.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 19.817 ng

RT: 7.510 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

Instrument :

BNA_F

ClientSampleId :

OR-03-07232025

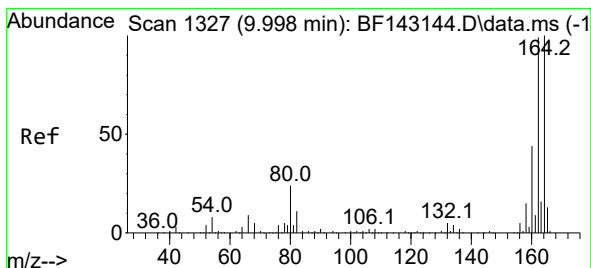
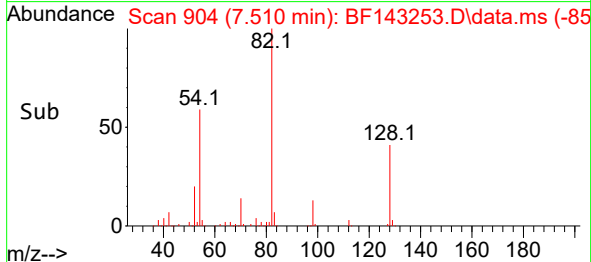
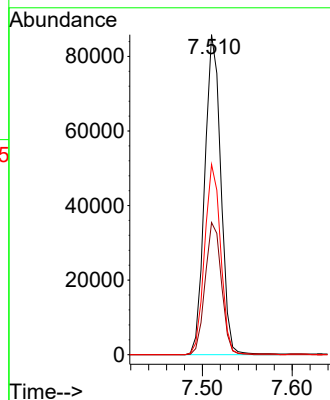
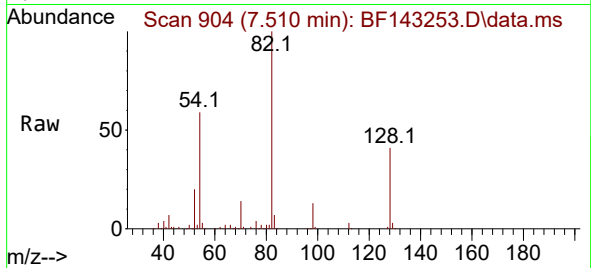
Tgt Ion: 82 Resp: 107003

Ion Ratio Lower Upper

82 100

128 41.3 33.6 50.4

54 59.4 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

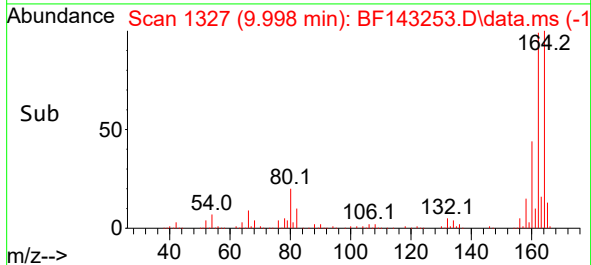
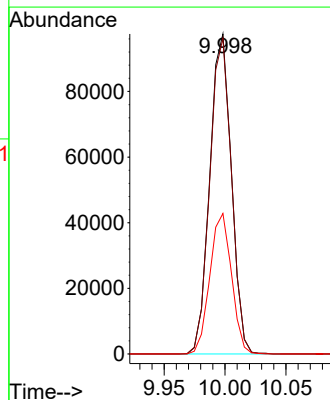
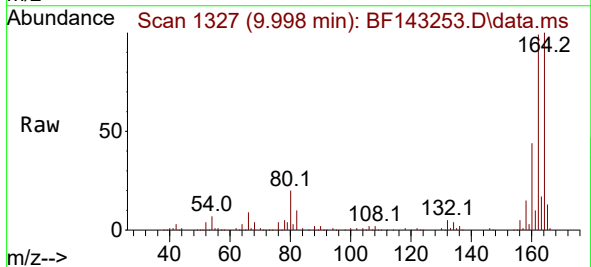
Tgt Ion:164 Resp: 120529

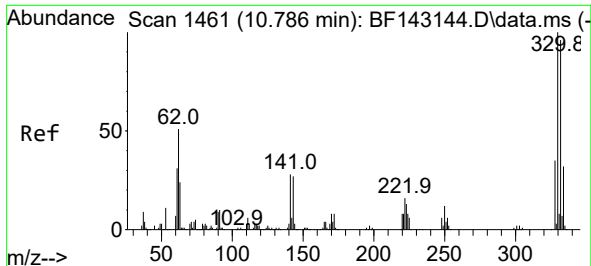
Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 43.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 28.990 ng

RT: 10.781 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143253.D

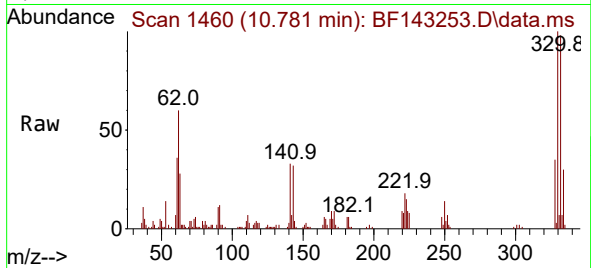
Acq: 25 Jul 2025 16:17

Instrument :

BNA_F

ClientSampleId :

OR-03-07232025



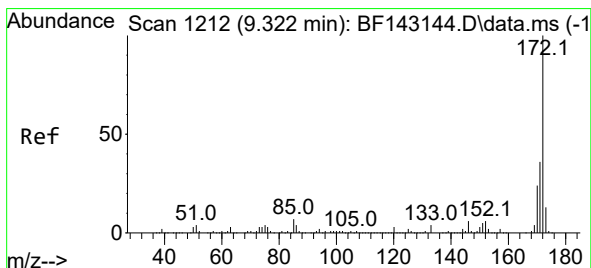
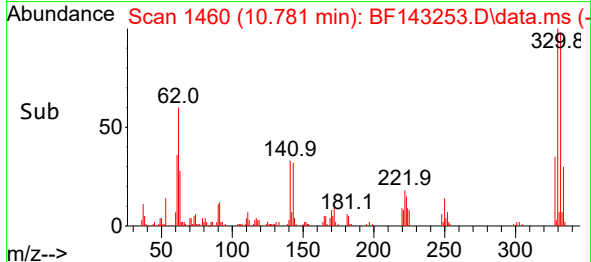
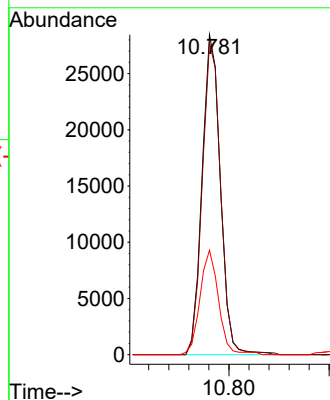
Tgt Ion:330 Resp: 36097

Ion Ratio Lower Upper

330 100

332 98.0 76.7 115.1

141 33.2 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 20.764 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

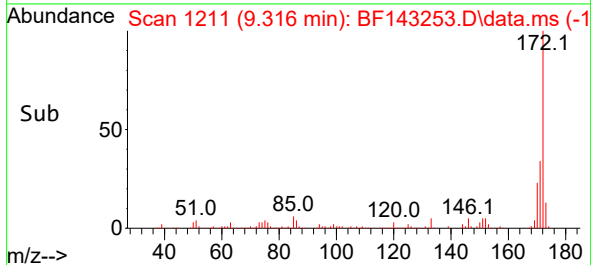
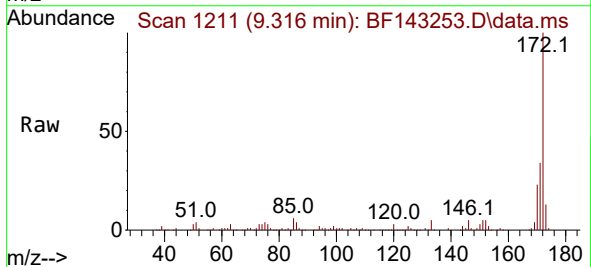
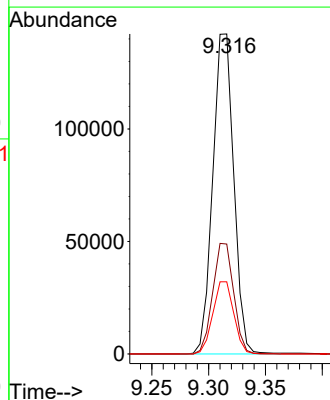
Tgt Ion:172 Resp: 182990

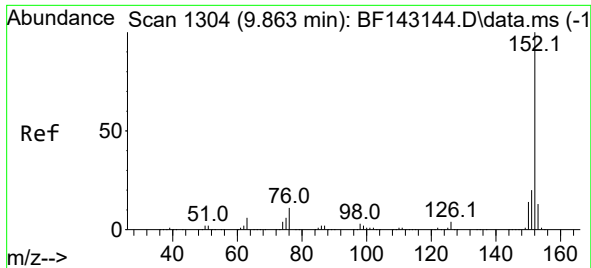
Ion Ratio Lower Upper

172 100

171 34.3 28.6 42.8

170 22.6 18.8 28.2

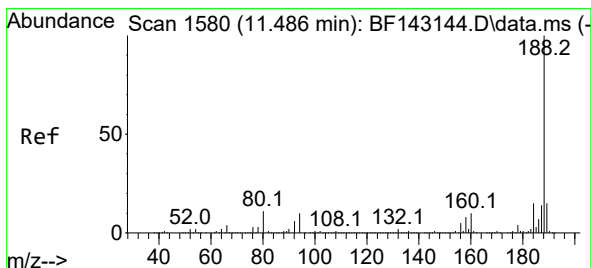
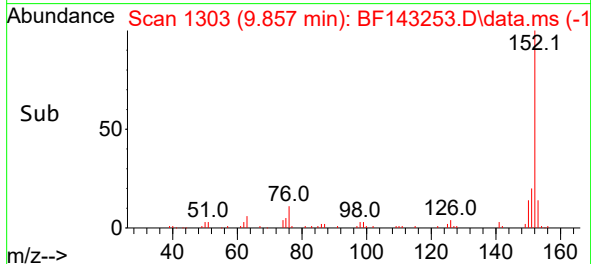
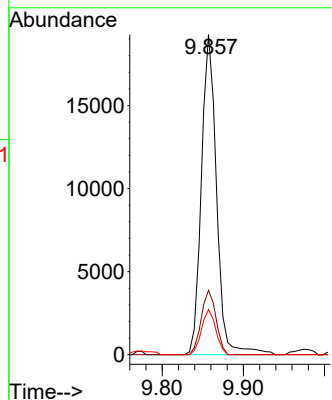
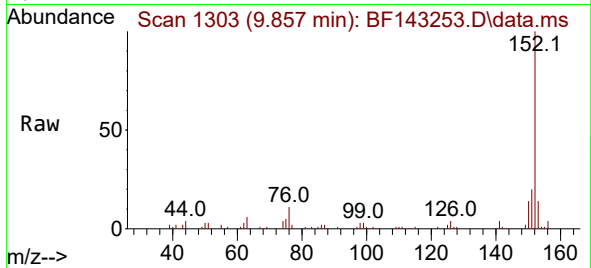




#49
Acenaphthylene
Concen: 2.144 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

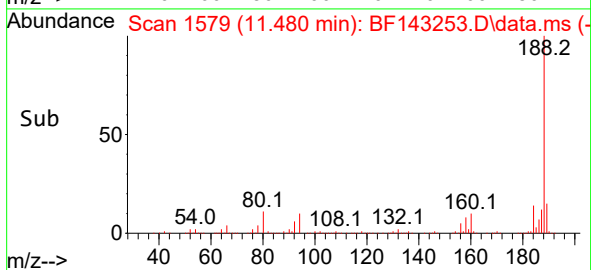
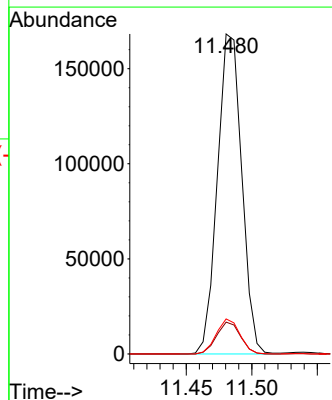
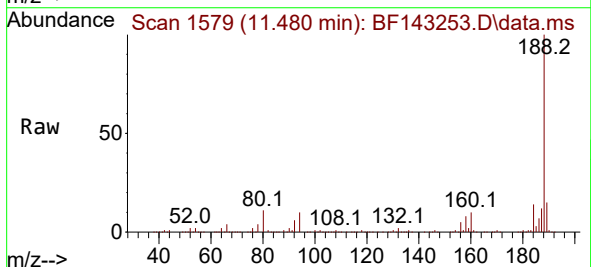
Instrument :
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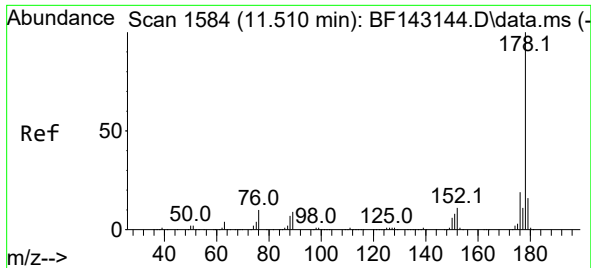
Tgt Ion:152 Resp: 24998
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 14.1 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

Tgt Ion:188 Resp: 217208
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 11.0 9.0 13.6

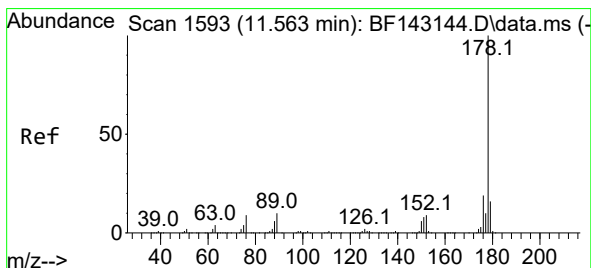
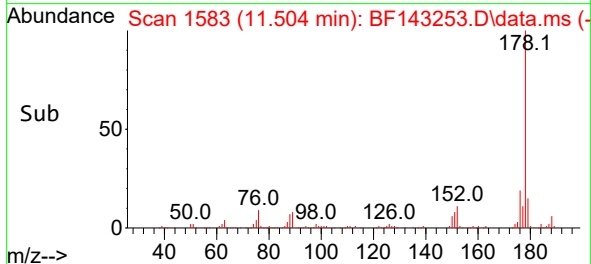
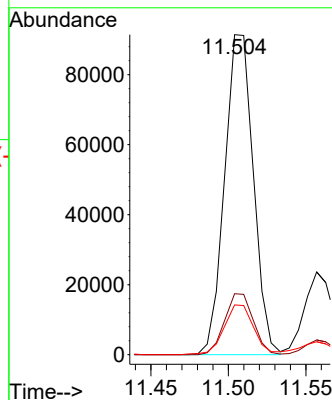
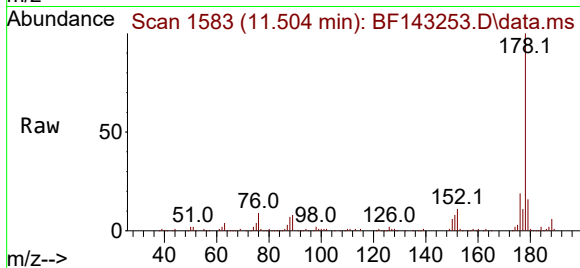




#71
Phenanthrene
Concen: 10.248 ng
RT: 11.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

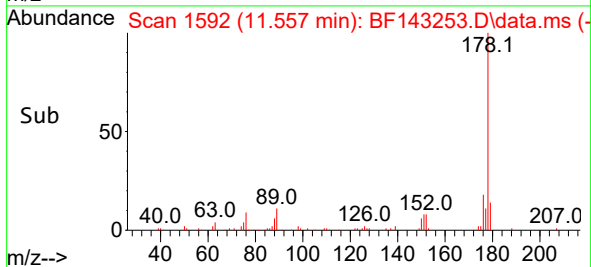
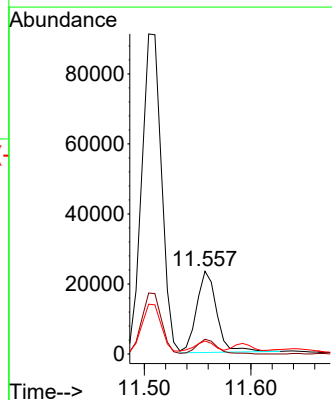
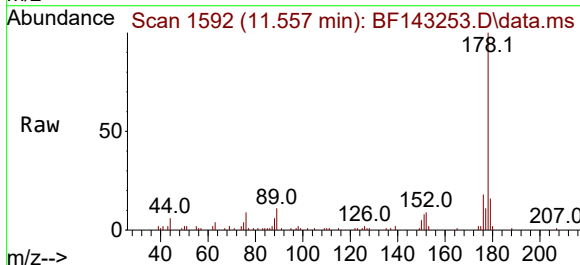
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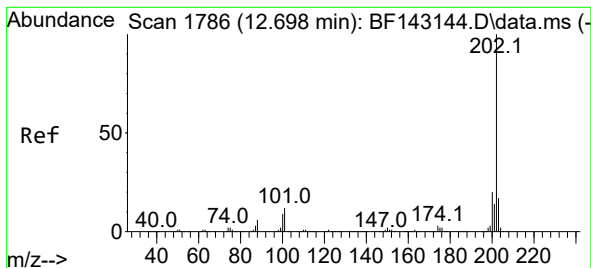
Tgt Ion:178 Resp: 118195
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 2.597 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

Tgt Ion:178 Resp: 30544
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.4
179 15.6 12.5 18.7





#75

Fluoranthene

Concen: 27.741 ng

RT: 12.698 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

Instrument :

BNA_F

ClientSampleId :

OR-03-07232025

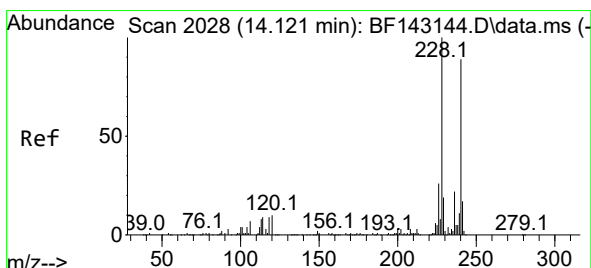
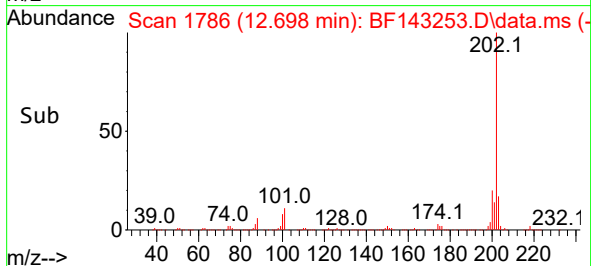
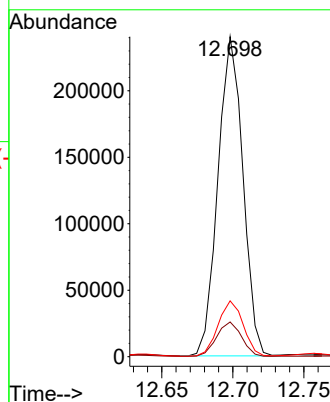
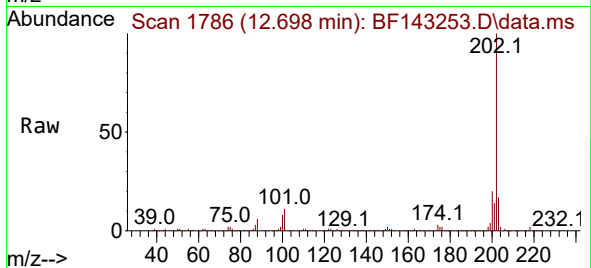
Tgt Ion:202 Resp: 293657

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.7

203 17.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.012 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

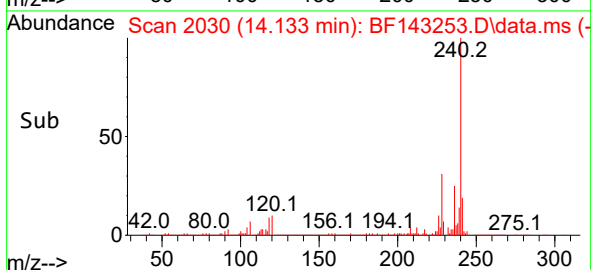
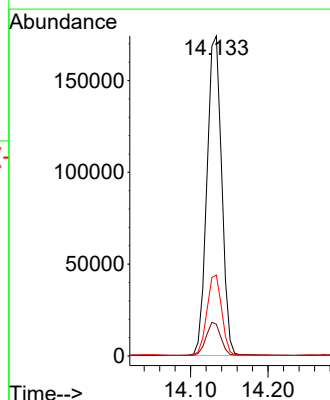
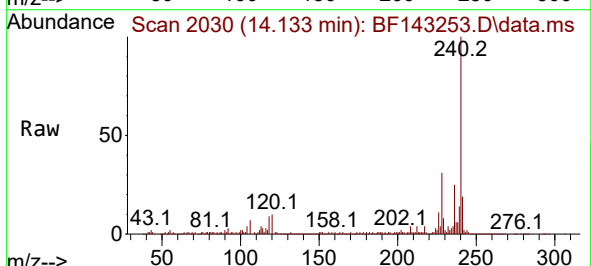
Tgt Ion:240 Resp: 229628

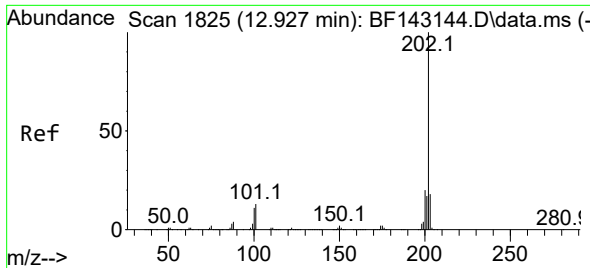
Ion Ratio Lower Upper

240 100

120 9.9 9.4 14.2

236 25.3 20.2 30.4

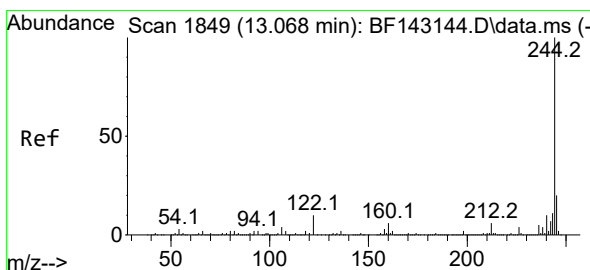
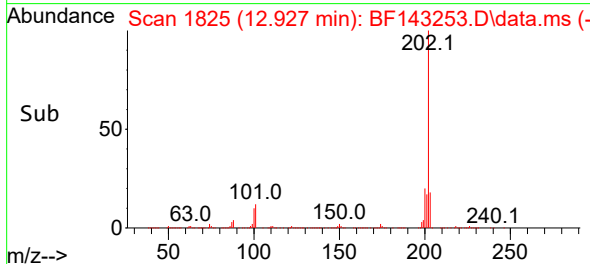
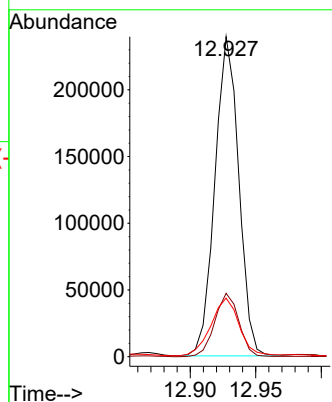
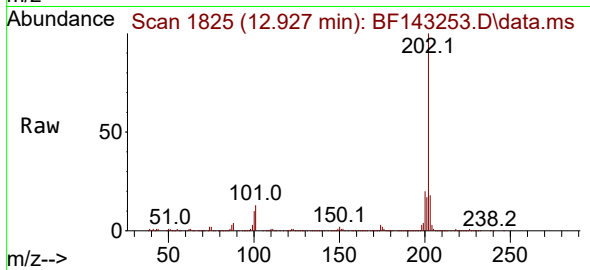




#78
Pyrene
Concen: 15.446 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

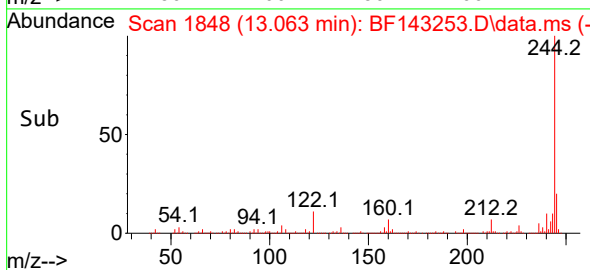
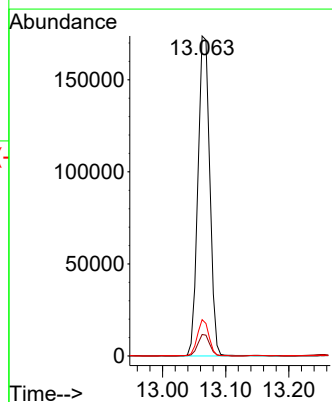
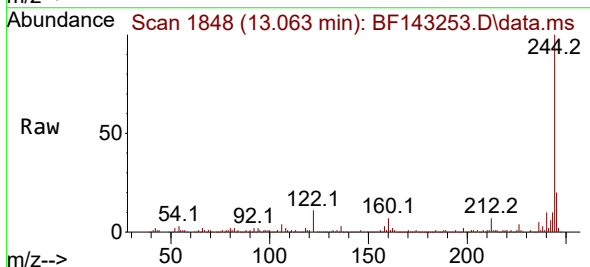
Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

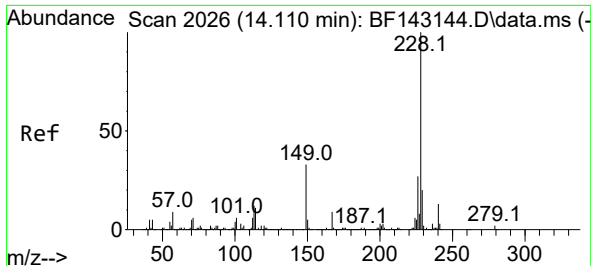
Tgt Ion:202 Resp: 302704
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 18.3 14.2 21.2



#79
Terphenyl-d14
Concen: 14.675 ng
RT: 13.063 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

Tgt Ion:244 Resp: 226449
Ion Ratio Lower Upper
244 100
212 6.7 5.2 7.8
122 11.4 8.2 12.2

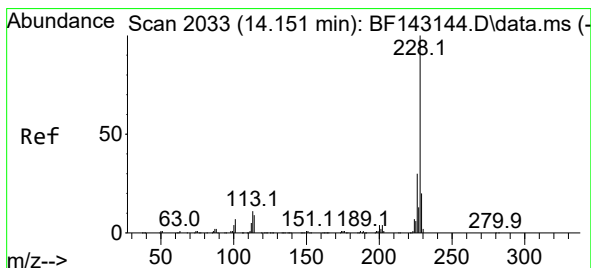
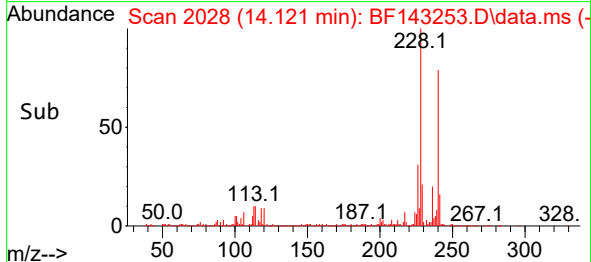
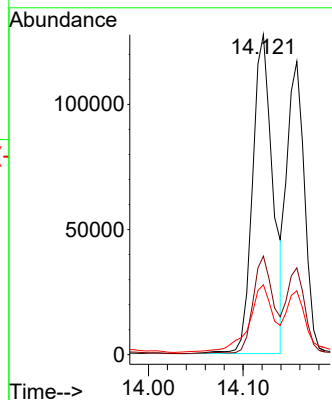
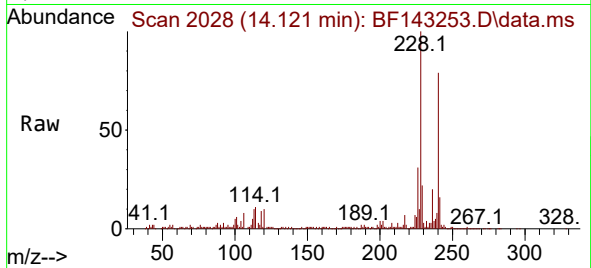




#81
Benzo(a)anthracene
Concen: 12.383 ng
RT: 14.121 min Scan# 2026
Delta R.T. 0.012 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

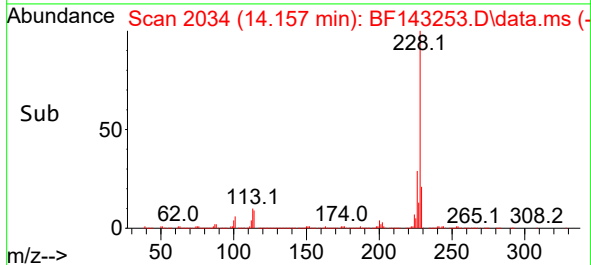
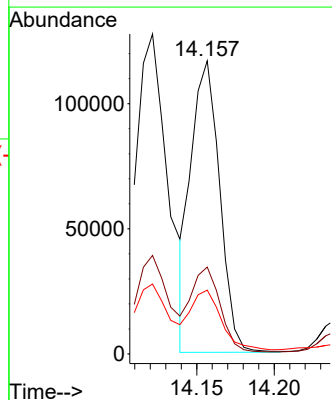
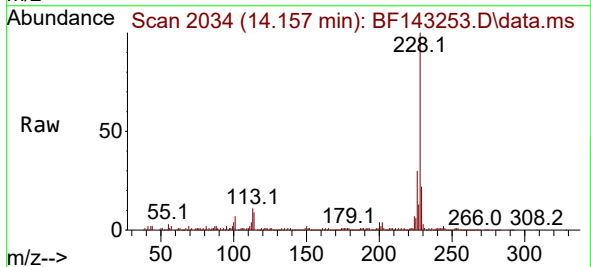
Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

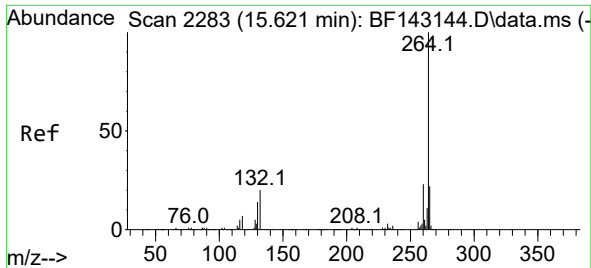
Tgt Ion:228 Resp: 190370
Ion Ratio Lower Upper
228 100
226 30.8 21.7 32.5
229 21.9 15.8 23.6



#83
Chrysene
Concen: 10.821 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

Tgt Ion:228 Resp: 149566
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.8
229 21.8 15.6 23.4



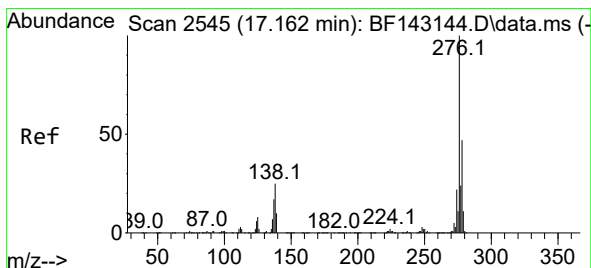
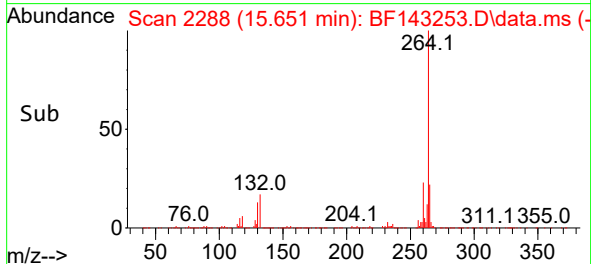
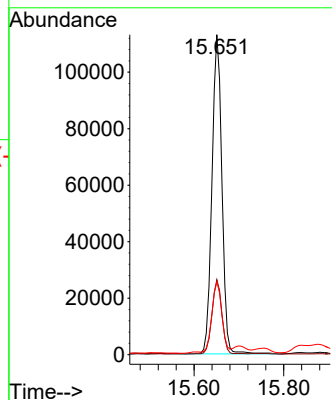
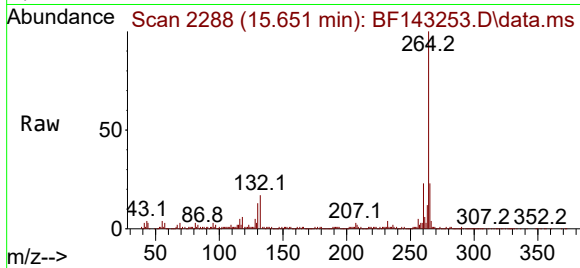


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

Instrument :
BNA_F
ClientSampleId :
OR-03-07232025

Tgt Ion:264 Resp: 173893

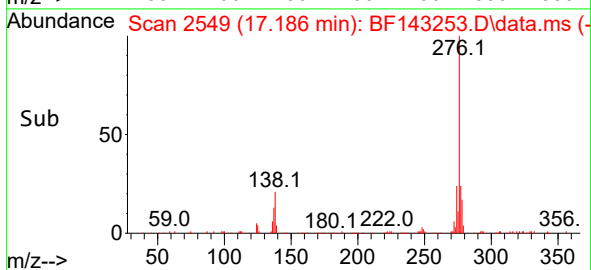
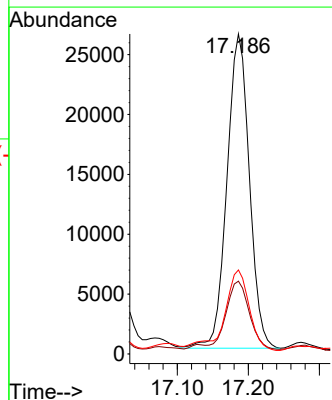
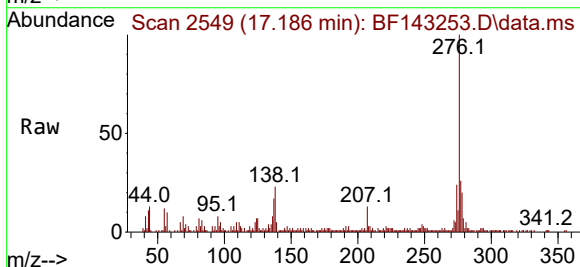
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.8	17.4	26.2

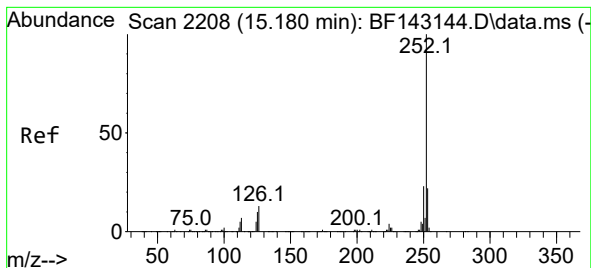


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.695 ng
RT: 17.186 min Scan# 2549
Delta R.T. 0.024 min
Lab File: BF143253.D
Acq: 25 Jul 2025 16:17

Tgt Ion:276 Resp: 57574

Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.8	32.6
277	28.4	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 16.311 ng m

RT: 15.204 min Scan# 2212

Delta R.T. 0.024 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

Instrument :

BNA_F

ClientSampleId :

OR-03-07232025

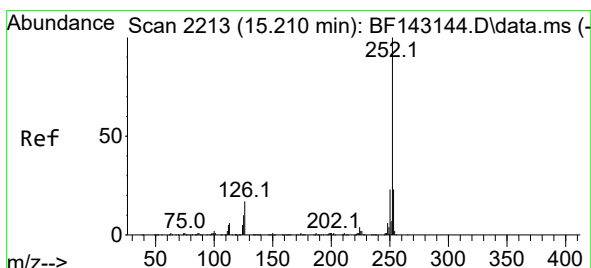
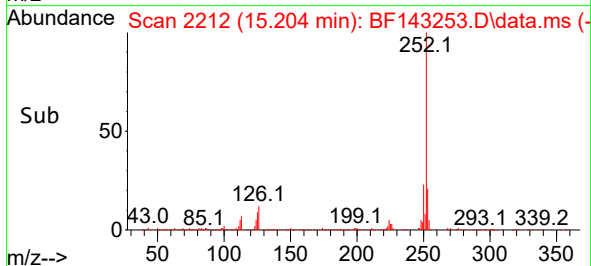
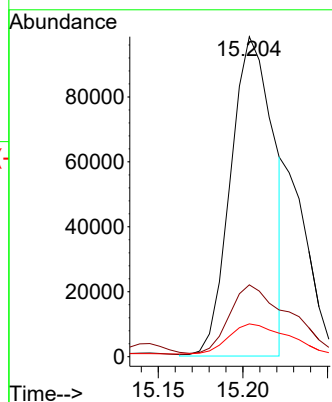
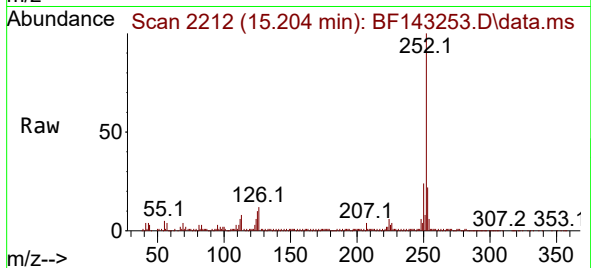
Tgt Ion:252 Resp: 173276

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.2 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 6.010 ng m

RT: 15.221 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

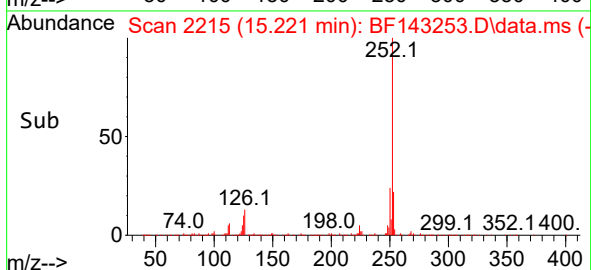
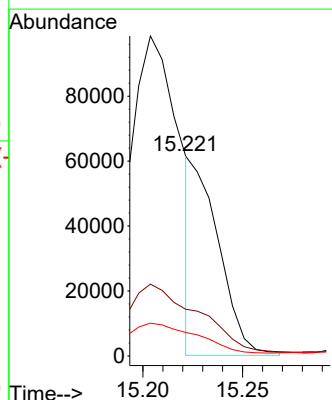
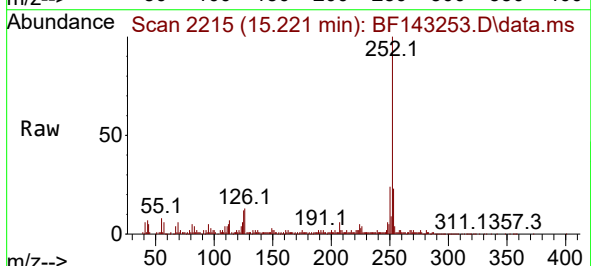
Tgt Ion:252 Resp: 56976

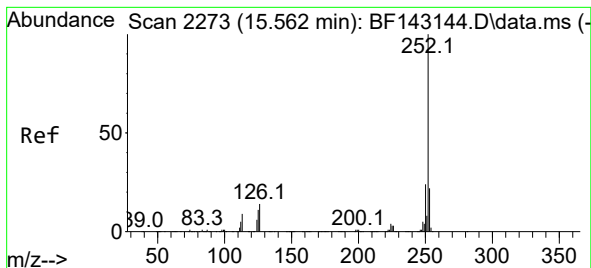
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 11.7 8.1 12.1





#90

Benzo(a)pyrene

Concen: 11.753 ng

RT: 15.586 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

Instrument :

BNA_F

ClientSampleId :

OR-03-07232025

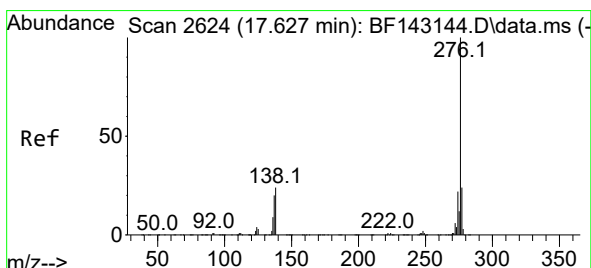
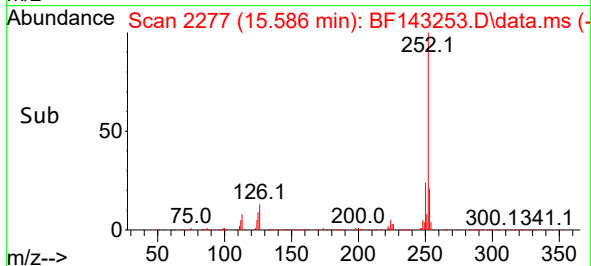
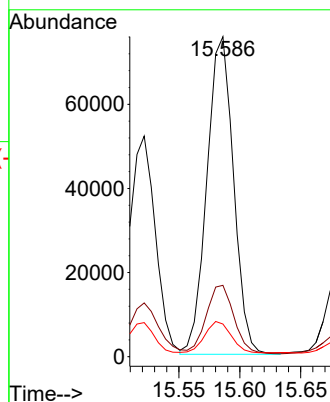
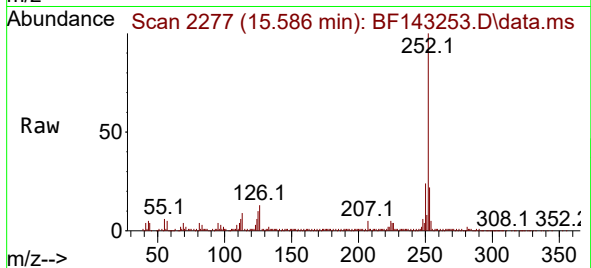
Tgt Ion:252 Resp: 115036

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 10.2 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 5.918 ng

RT: 17.651 min Scan# 2628

Delta R.T. 0.024 min

Lab File: BF143253.D

Acq: 25 Jul 2025 16:17

Tgt Ion:276 Resp: 57133

Ion Ratio Lower Upper

276 100

277 25.2 19.1 28.7

138 23.4 18.9 28.3

