

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143244.D
 Acq On : 24 Jul 2025 20:22
 Operator : RC/JU
 Sample : Q2676-03 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-07222025

Quant Time: Jul 25 01:19:34 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)

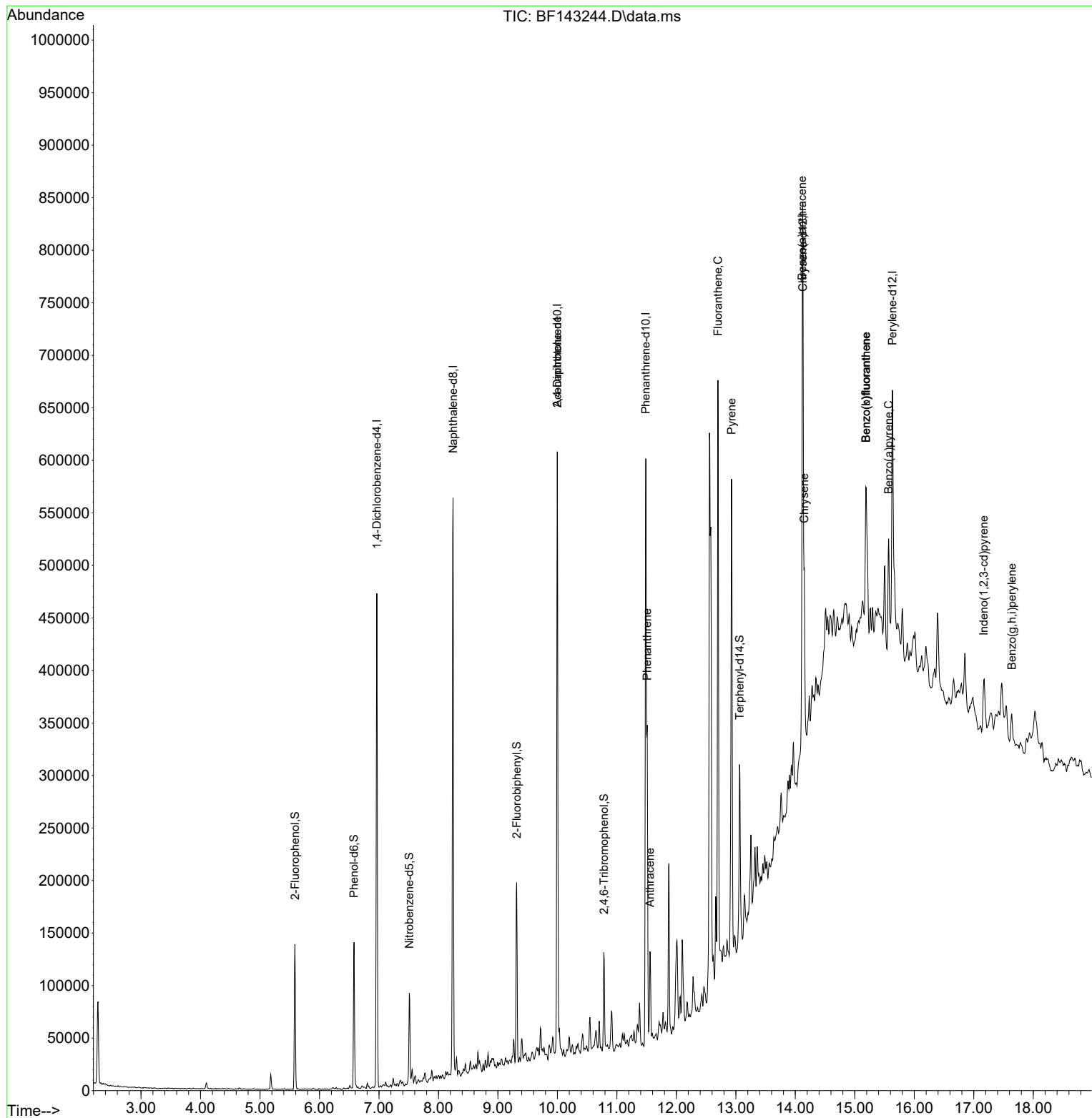
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	95028	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	329946	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	161614	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	277082	20.000	ng	0.00
76) Chrysene-d12	14.127	240	190752	20.000	ng	0.00
86) Perylene-d12	15.633	264	140129	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	47935	7.982	ng	0.00
7) Phenol-d6	6.581	99	59188	7.831	ng	0.00
23) Nitrobenzene-d5	7.510	82	34815	5.260	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	13573	8.130	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	73838	6.248	ng	0.00
79) Terphenyl-d14	13.063	244	76631	5.978	ng	0.00
Target Compounds						
						Qvalue
57) 2,4-Dinitrotoluene	9.998	165	21959	8.167	ng	# 21
71) Phenanthrene	11.510	178	150221	10.211	ng	98
72) Anthracene	11.557	178	49090	3.272	ng	99
75) Fluoranthene	12.698	202	299702	22.194	ng	99
78) Pyrene	12.928	202	261398	16.057	ng	99
81) Benzo(a)anthracene	14.116	228	116231	9.101	ng	96
83) Chrysene	14.151	228	87332	7.606	ng	96
87) Indeno(1,2,3-cd)pyrene	17.168	276	35947	3.638	ng	96
88) Benzo(b)fluoranthene	15.186	252	122031	14.255	ng	# 89
89) Benzo(k)fluoranthene	15.186	252	122031	15.975	ng	# 90
90) Benzo(a)pyrene	15.569	252	63938	8.106	ng	# 90
92) Benzo(g,h,i)perylene	17.639	276	33210	4.269	ng	# 92

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

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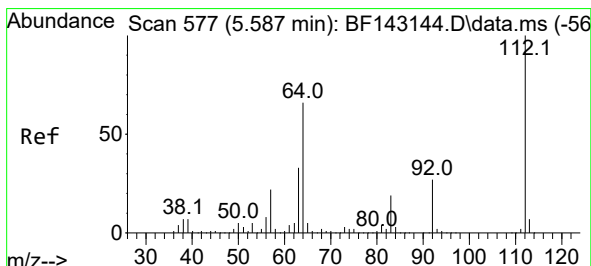
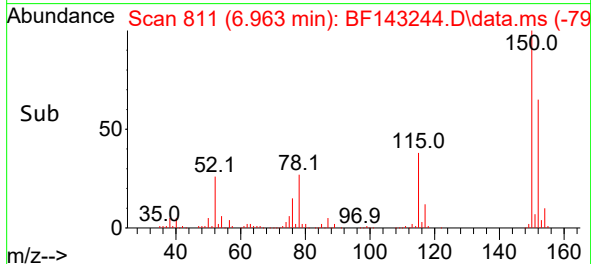
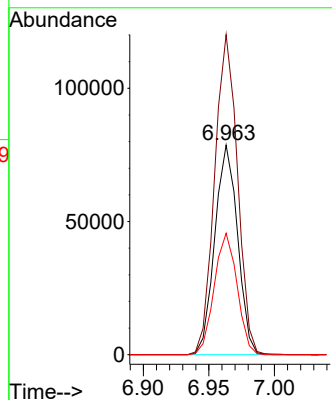
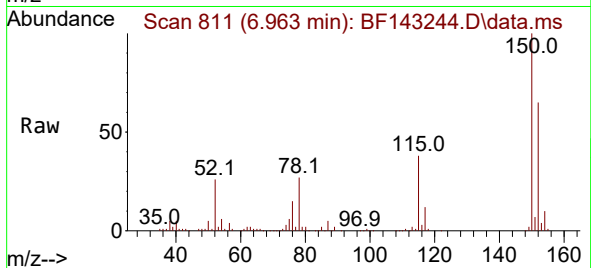




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF143244.D
 Acq: 24 Jul 2025 20:22

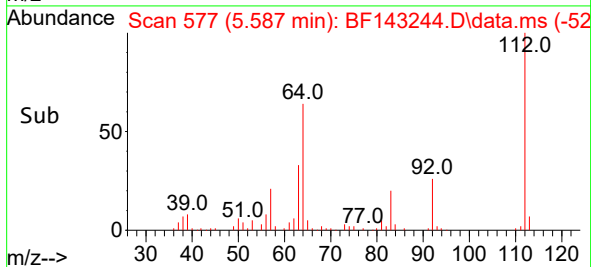
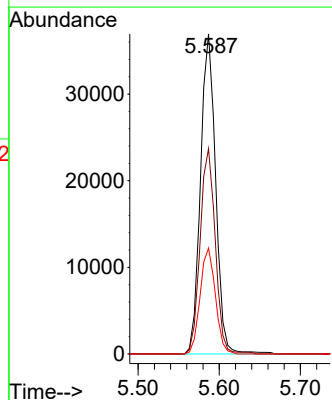
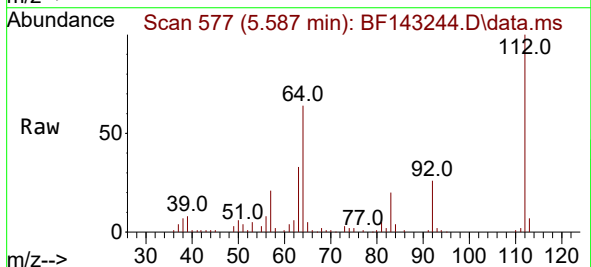
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-07222025

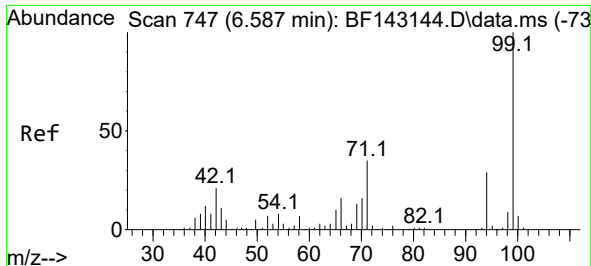
Tgt Ion:152 Resp: 95028
 Ion Ratio Lower Upper
 152 100
 150 152.7 128.2 192.4
 115 57.9 47.9 71.9



#5
 2-Fluorophenol
 Concen: 7.982 ng
 RT: 5.587 min Scan# 577
 Delta R.T. 0.000 min
 Lab File: BF143244.D
 Acq: 24 Jul 2025 20:22

Tgt Ion:112 Resp: 47935
 Ion Ratio Lower Upper
 112 100
 64 64.1 53.1 79.7
 63 33.1 26.6 40.0

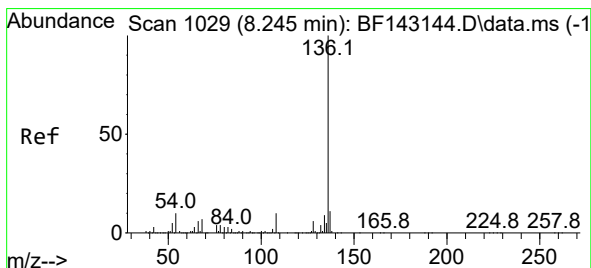
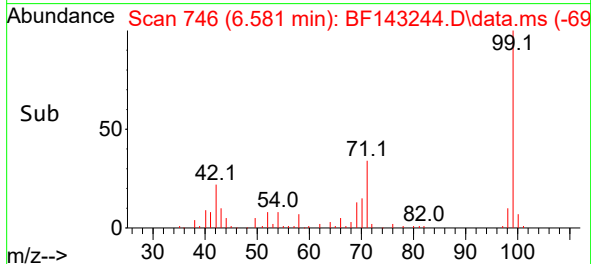
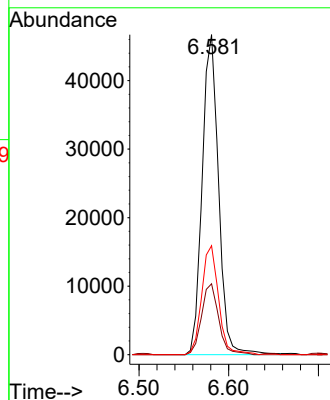
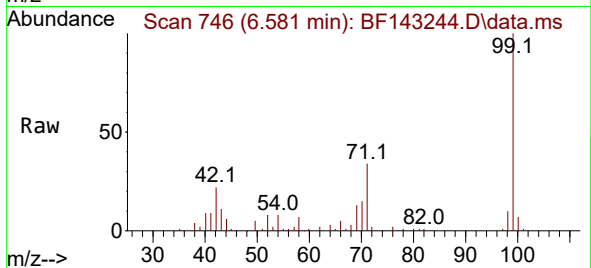




#7
Phenol-d6
Concen: 7.831 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

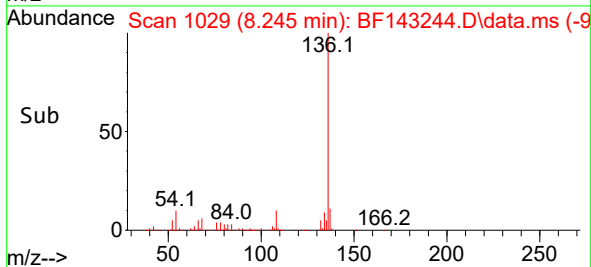
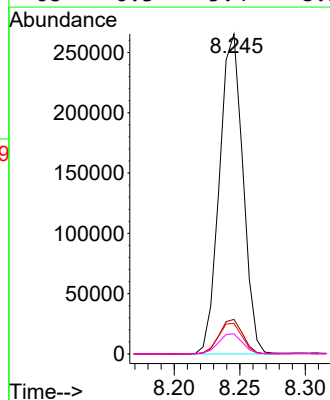
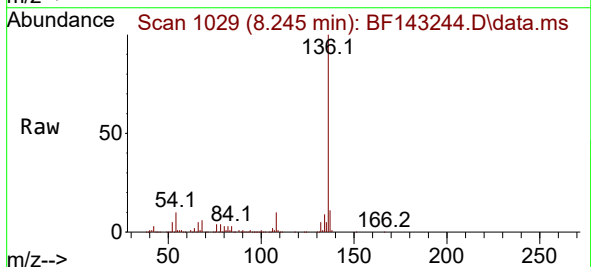
Instrument :
BNA_F
ClientSampleId :
HD-02-07222025

Tgt Ion: 99 Resp: 59188
Ion Ratio Lower Upper
99 100
42 22.2 17.0 25.6
71 34.0 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

Tgt Ion: 136 Resp: 329946
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.6 8.2 12.2
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 5.260 ng

RT: 7.510 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

Instrument :

BNA_F

ClientSampleId :

HD-02-07222025

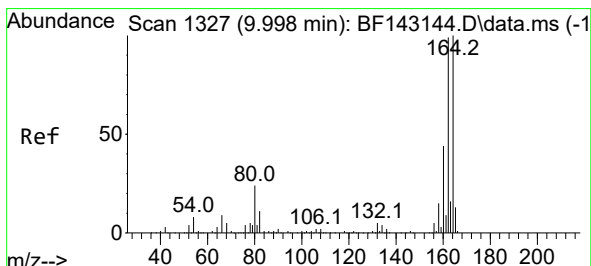
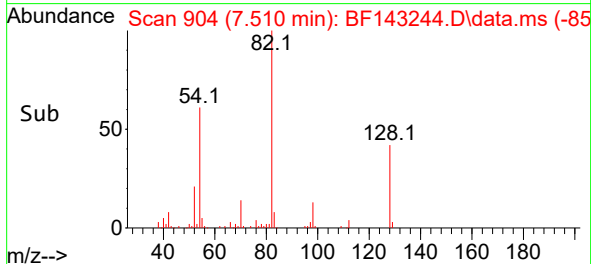
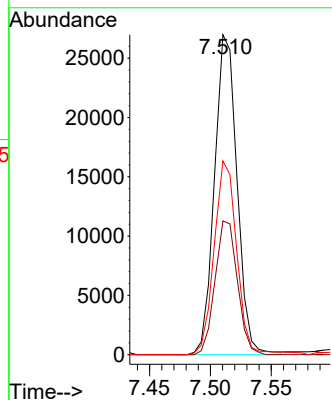
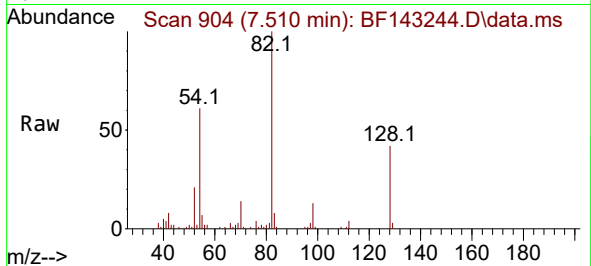
Tgt Ion: 82 Resp: 34815

Ion Ratio Lower Upper

82 100

128 41.8 33.6 50.4

54 60.5 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: BF143244.D

Acq: 24 Jul 2025 20:22

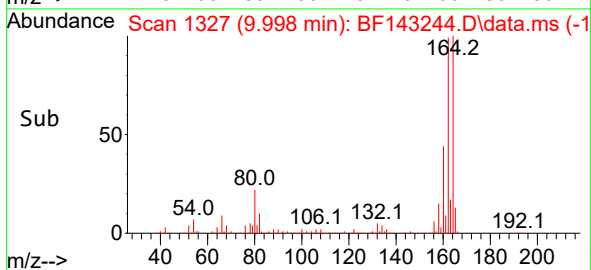
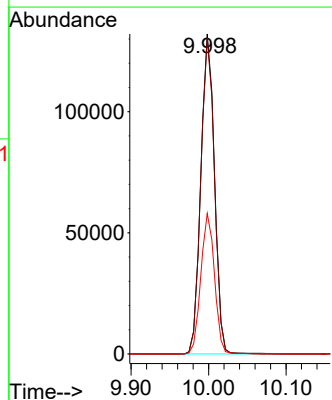
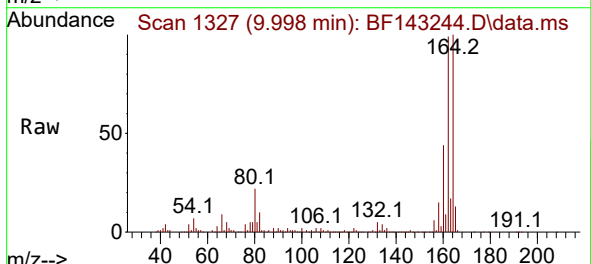
Tgt Ion:164 Resp: 161614

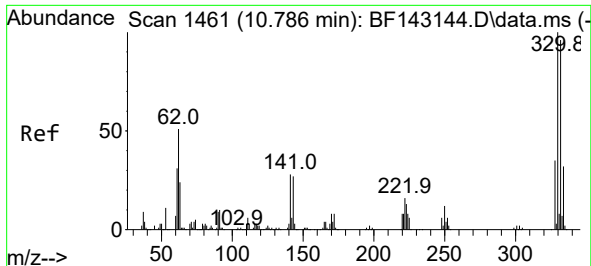
Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

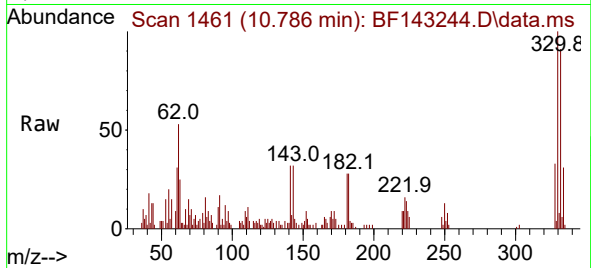
160 43.9 35.1 52.7



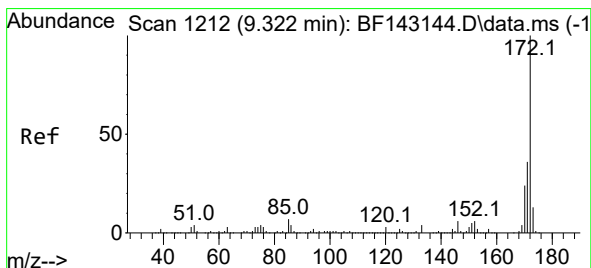
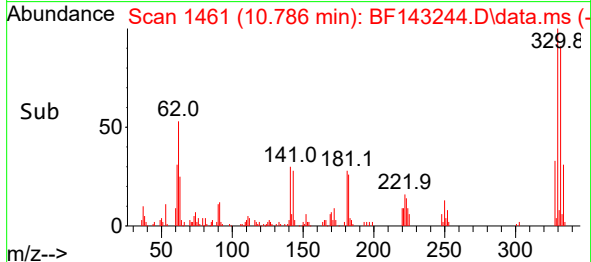
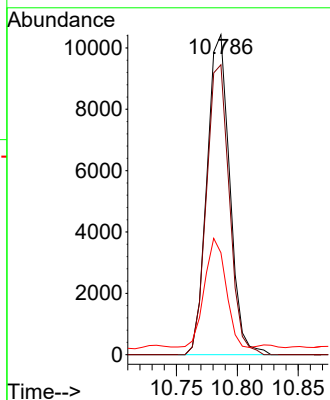


#42
 2,4,6-Tribromophenol
 Concen: 8.130 ng
 RT: 10.786 min Scan# 1461
 Delta R.T. 0.000 min
 Lab File: BF143244.D
 Acq: 24 Jul 2025 20:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-07222025

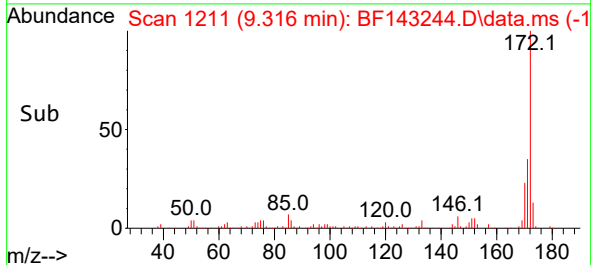
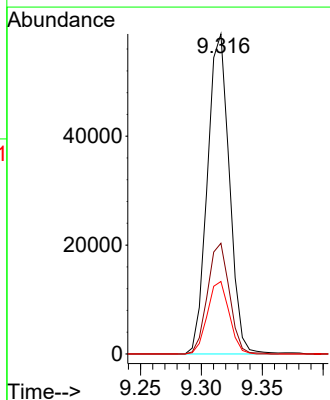
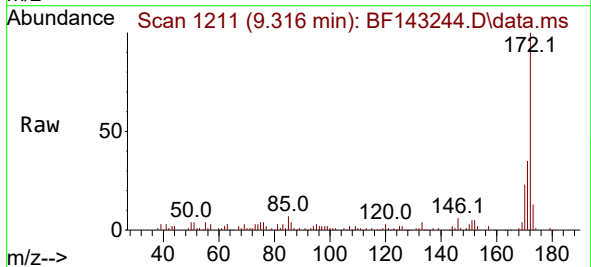


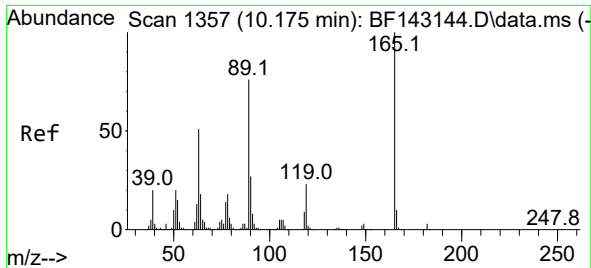
Tgt Ion: 330 Resp: 13573
 Ion Ratio Lower Upper
 330 100
 332 90.8 76.7 115.1
 141 32.0 23.3 34.9



#45
 2-Fluorobiphenyl
 Concen: 6.248 ng
 RT: 9.316 min Scan# 1211
 Delta R.T. -0.006 min
 Lab File: BF143244.D
 Acq: 24 Jul 2025 20:22

Tgt Ion: 172 Resp: 73838
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 42.8
 170 22.7 18.8 28.2

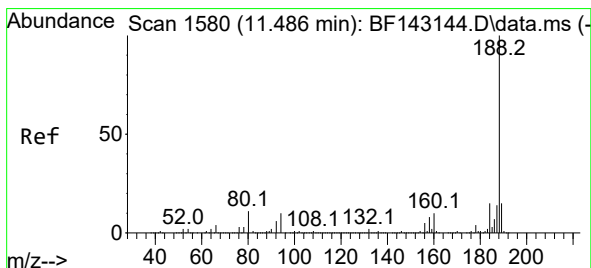
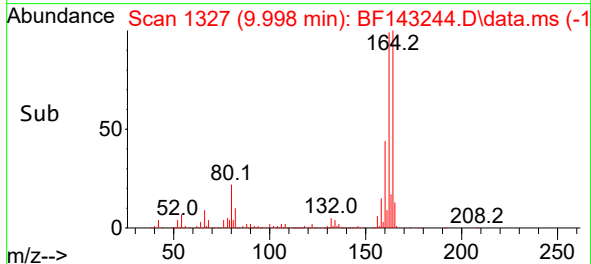
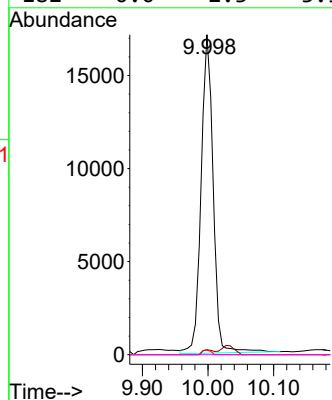
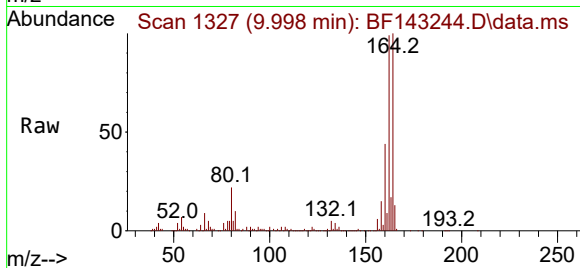




#57
2,4-Dinitrotoluene
Concen: 8.167 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

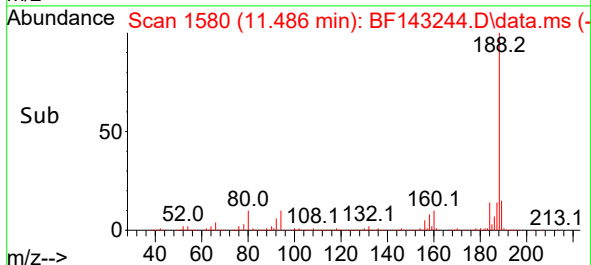
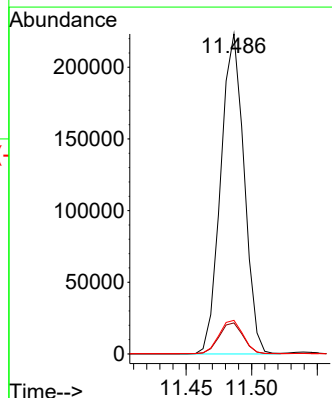
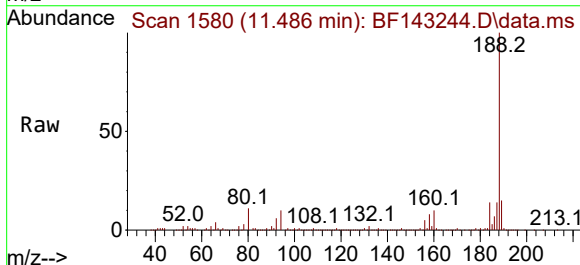
Instrument :
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ClientSampleId :
HD-02-07222025

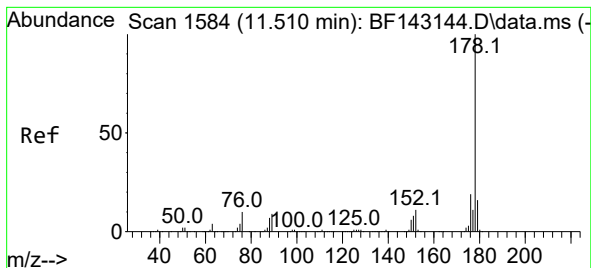
Tgt Ion:165 Resp: 21959
Ion Ratio Lower Upper
165 100
63 1.6 41.0 61.4#
89 1.4 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

Tgt Ion:188 Resp: 277082
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.5 9.0 13.6





#71

Phenanthrene

Concen: 10.211 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

Instrument :

BNA_F

ClientSampleId :

HD-02-07222025

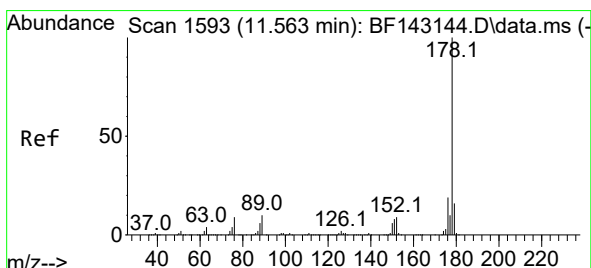
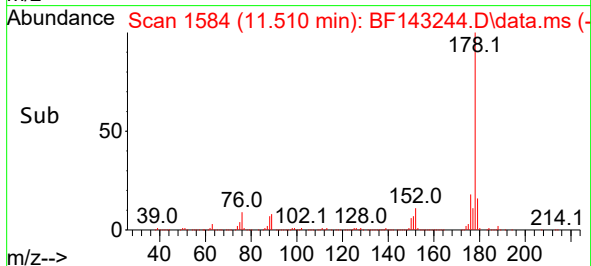
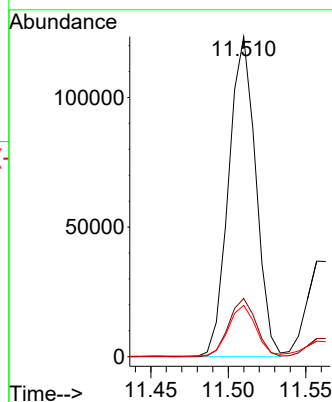
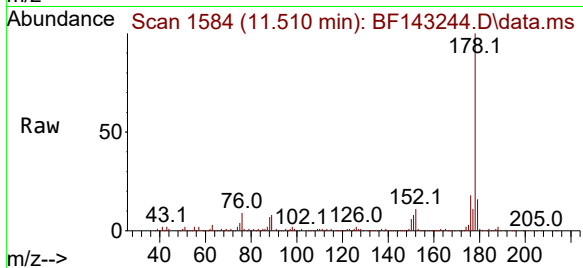
Tgt Ion:178 Resp: 150221

Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

179 16.1 12.5 18.7



#72

Anthracene

Concen: 3.272 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

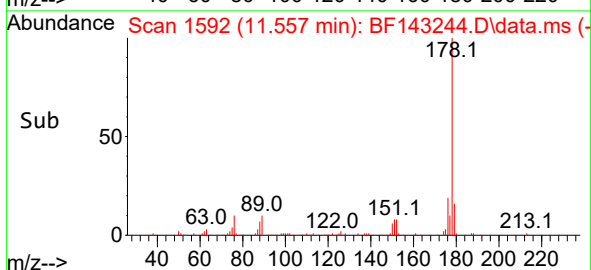
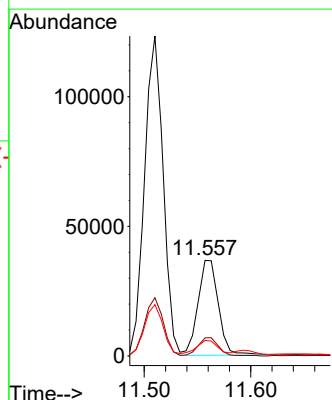
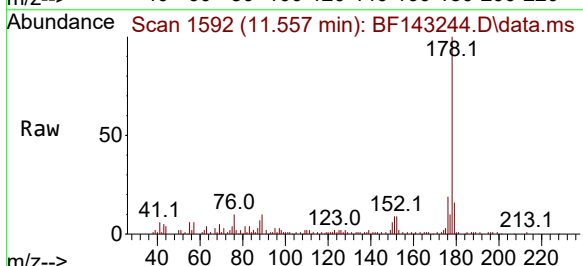
Tgt Ion:178 Resp: 49090

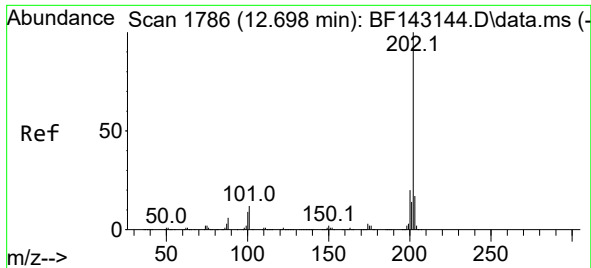
Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

179 16.2 12.5 18.7

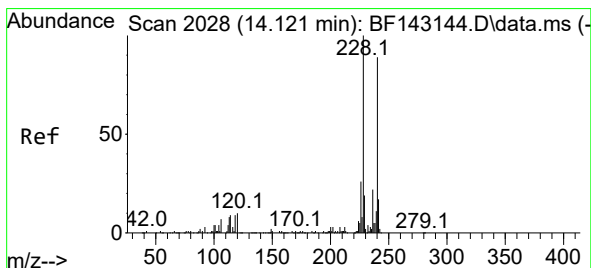
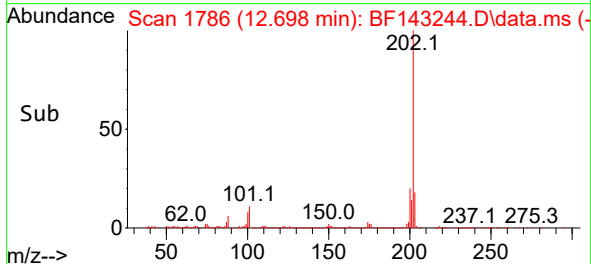
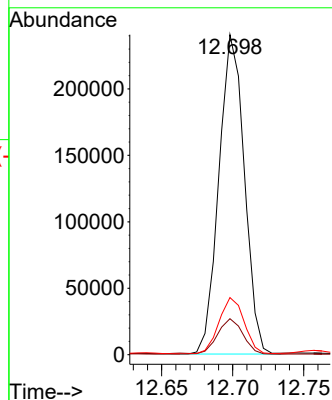
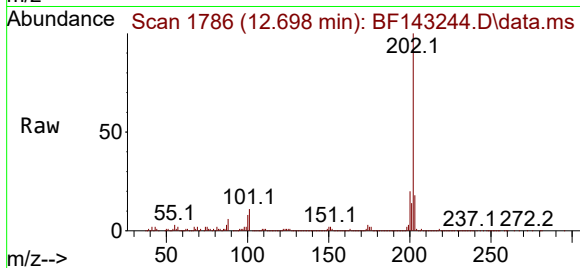




#75
Fluoranthene
Concen: 22.194 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

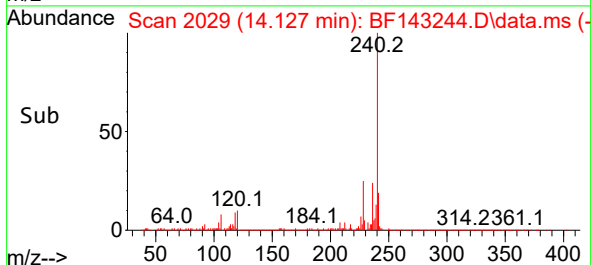
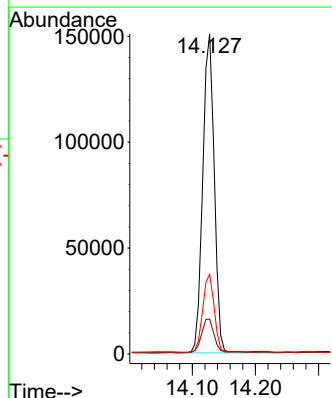
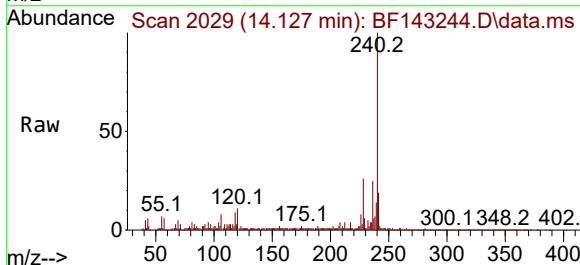
Instrument :
BNA_F
ClientSampleId :
HD-02-07222025

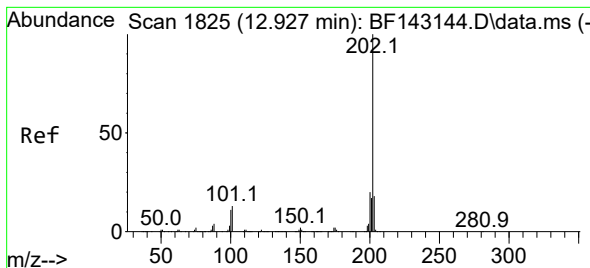
Tgt Ion:202 Resp: 299702
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.7
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

Tgt Ion:240 Resp: 190752
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 24.9 20.2 30.4





#78

Pyrene

Concen: 16.057 ng

RT: 12.928 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

Instrument :

BNA_F

ClientSampleId :

HD-02-07222025

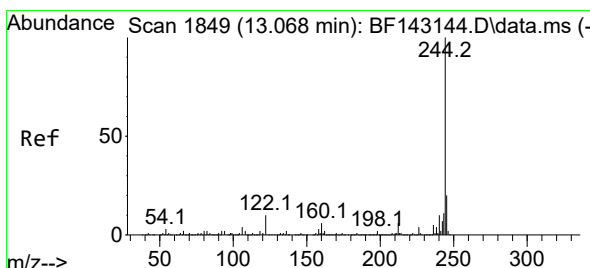
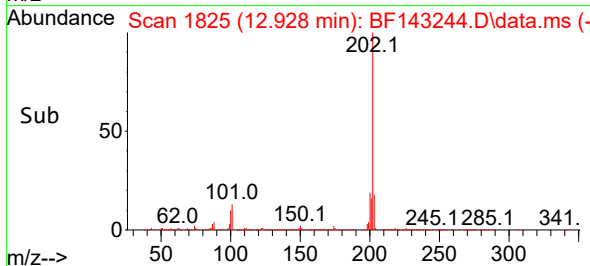
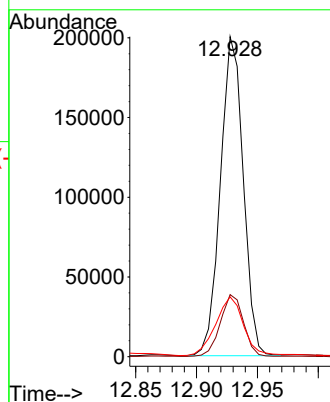
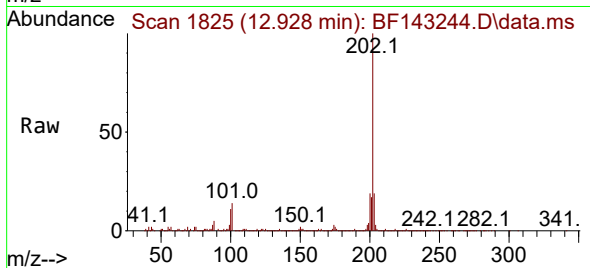
Tgt Ion:202 Resp: 261398

Ion Ratio Lower Upper

202 100

200 19.4 15.7 23.5

203 18.7 14.2 21.2



#79

Terphenyl-d14

Concen: 5.978 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

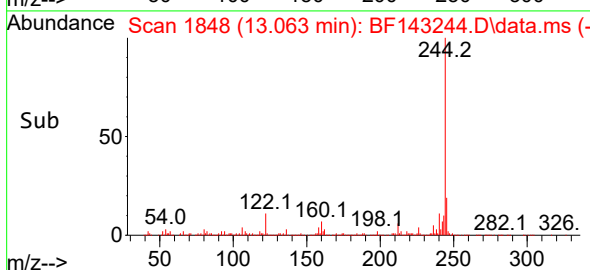
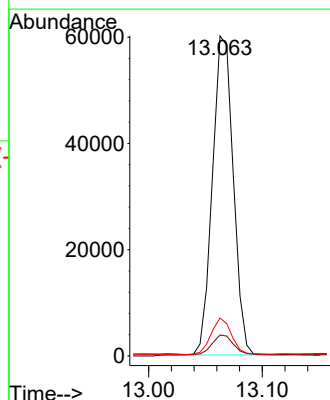
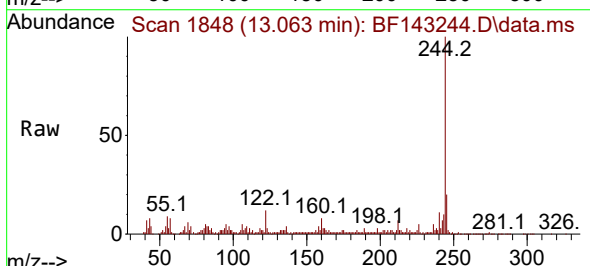
Tgt Ion:244 Resp: 76631

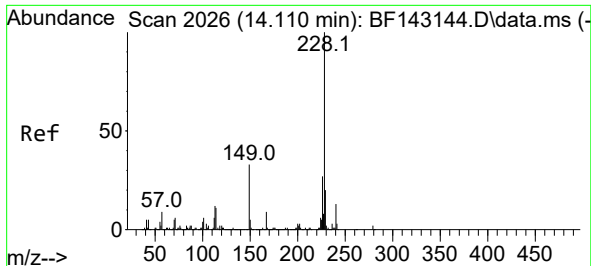
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.8 8.2 12.2

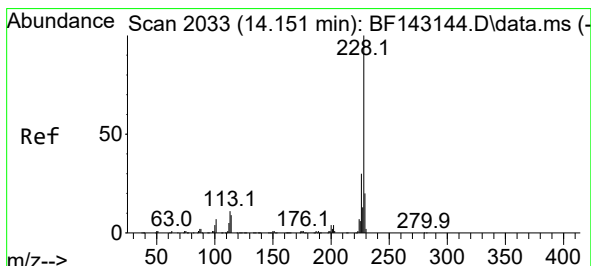
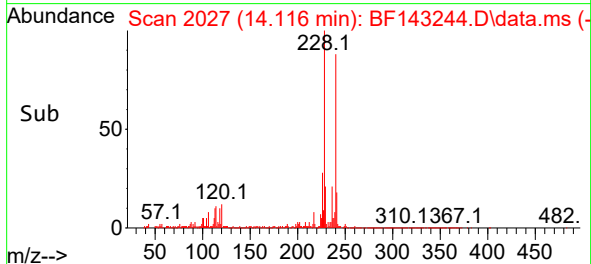
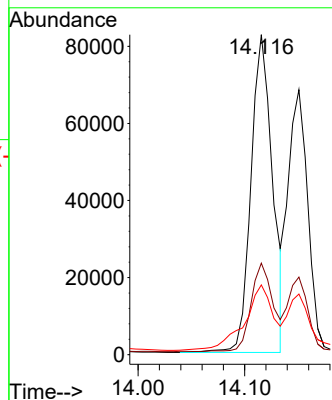
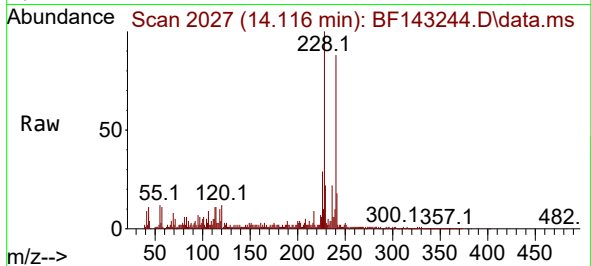




#81
Benzo(a)anthracene
Concen: 9.101 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

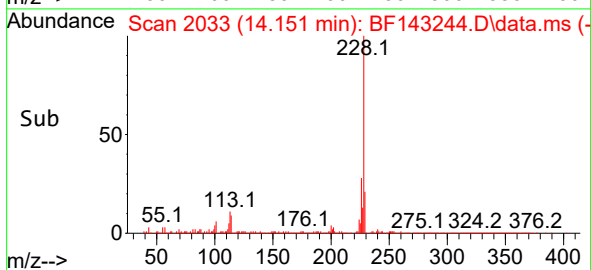
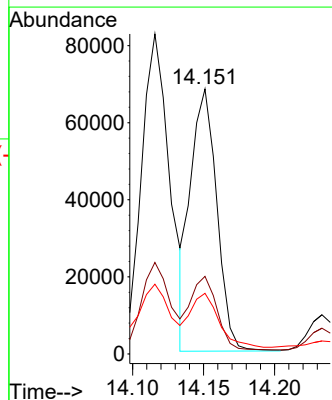
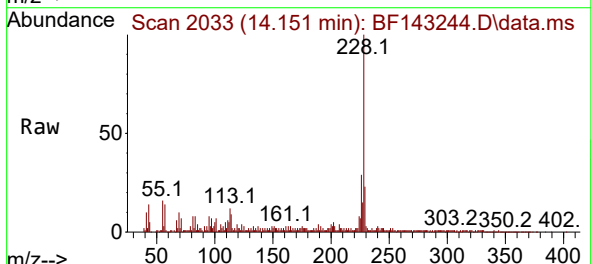
Instrument :
BNA_F
ClientSampleId :
HD-02-07222025

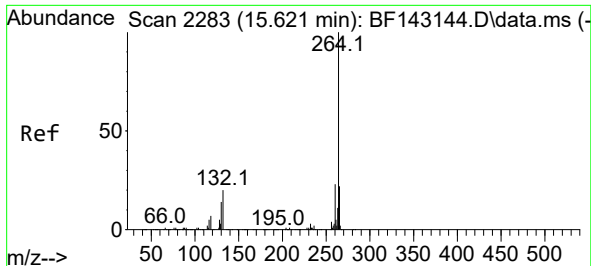
Tgt Ion:228 Resp: 116231
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 21.8 15.8 23.6



#83
Chrysene
Concen: 7.606 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

Tgt Ion:228 Resp: 87332
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.8
229 22.9 15.6 23.4

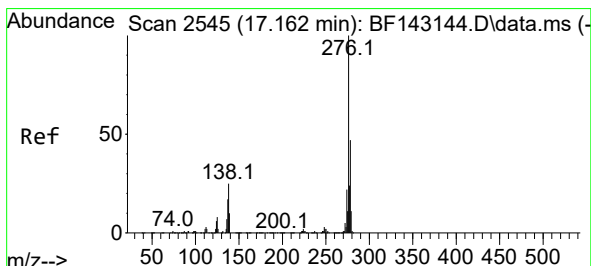
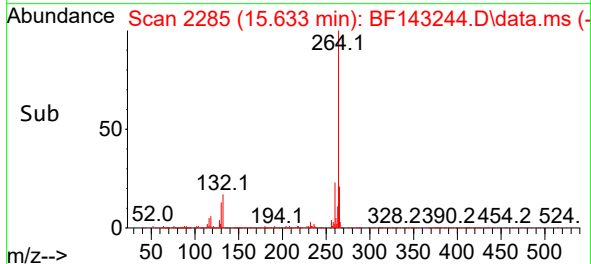
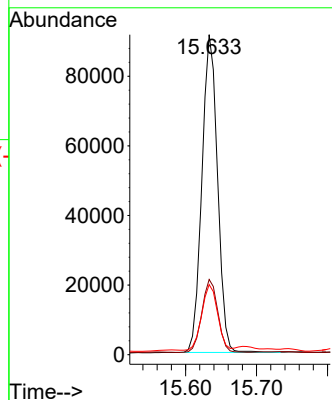
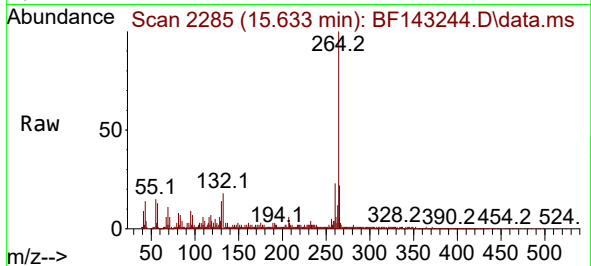




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

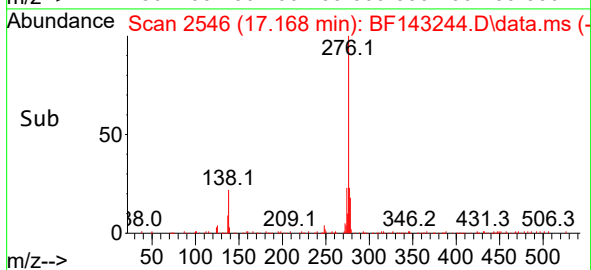
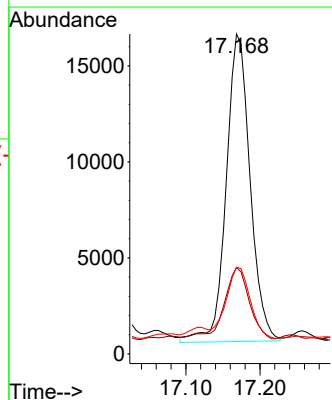
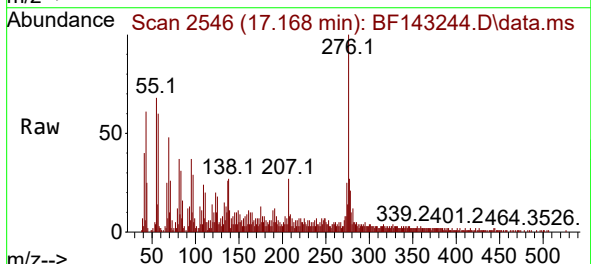
Instrument :
BNA_F
ClientSampleId :
HD-02-07222025

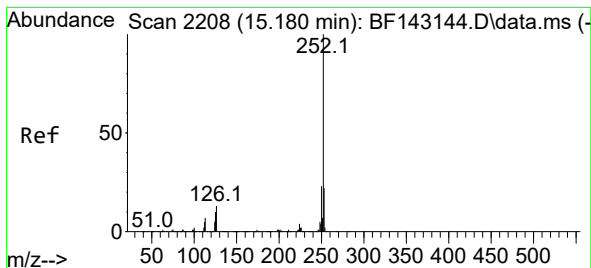
Tgt Ion:264 Resp: 140129
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 21.9 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.638 ng
RT: 17.168 min Scan# 2546
Delta R.T. 0.006 min
Lab File: BF143244.D
Acq: 24 Jul 2025 20:22

Tgt Ion:276 Resp: 35947
Ion Ratio Lower Upper
276 100
138 24.9 21.8 32.6
277 23.3 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 14.255 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

Instrument :

BNA_F

ClientSampleId :

HD-02-07222025

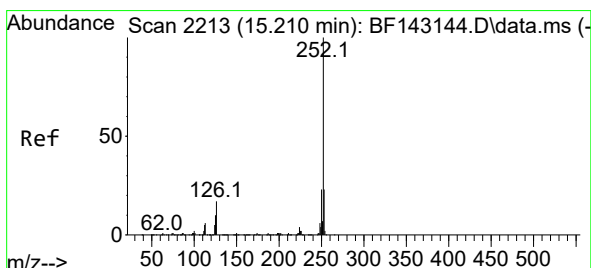
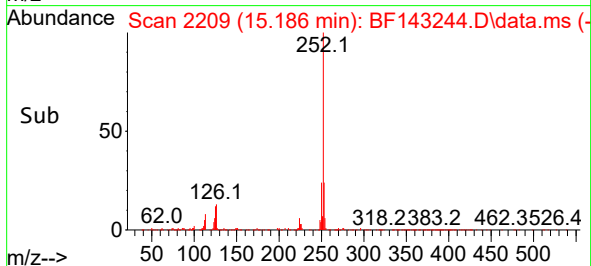
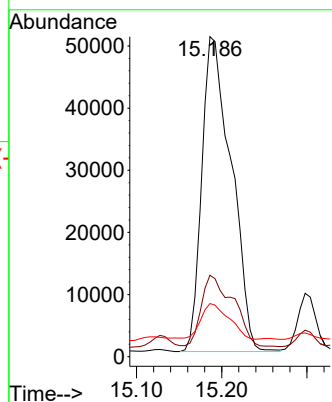
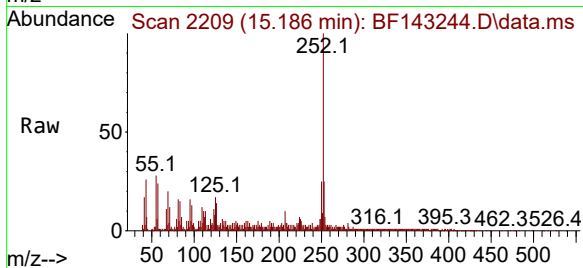
Tgt Ion:252 Resp: 122031

Ion Ratio Lower Upper

252 100

253 25.4 17.5 26.3

125 16.6 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 15.975 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.023 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

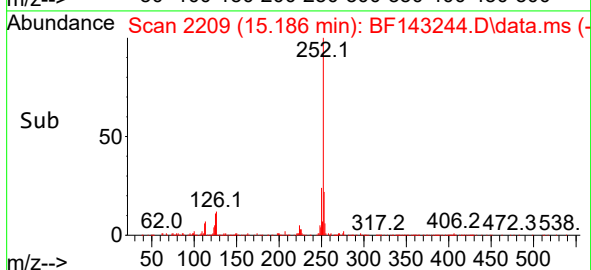
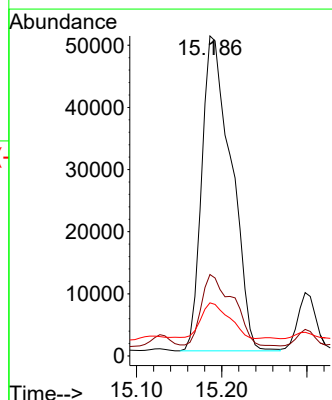
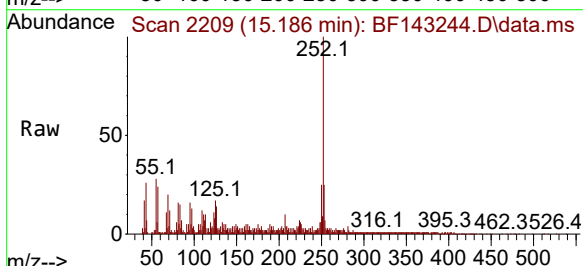
Tgt Ion:252 Resp: 122031

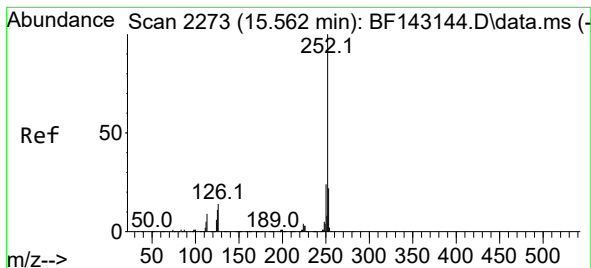
Ion Ratio Lower Upper

252 100

253 25.4 17.8 26.6

125 16.6 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 8.106 ng

RT: 15.569 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

Instrument :

BNA_F

ClientSampleId :

HD-02-07222025

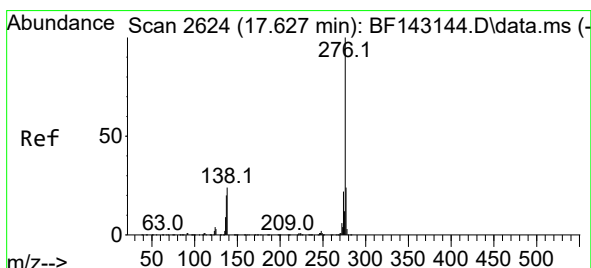
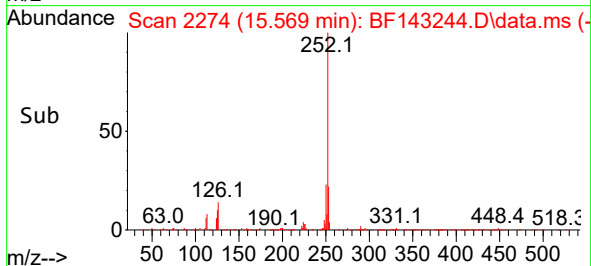
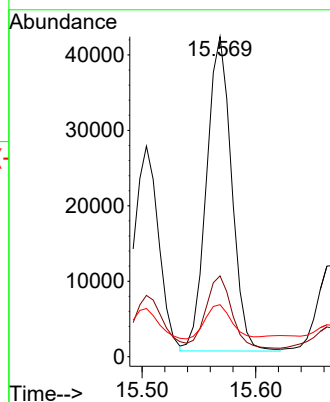
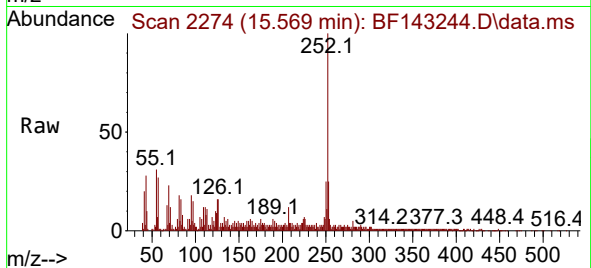
Tgt Ion:252 Resp: 63938

Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

125 16.2 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 4.269 ng

RT: 17.639 min Scan# 2626

Delta R.T. 0.012 min

Lab File: BF143244.D

Acq: 24 Jul 2025 20:22

Tgt Ion:276 Resp: 33210

Ion Ratio Lower Upper

276 100

277 29.8 19.1 28.7#

138 25.7 18.9 28.3

