

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142173.D
 Acq On : 28 Mar 2025 21:30
 Operator : RC/JU
 Sample : Q1642-01DL 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-1-032525DL

Quant Time: Mar 28 22:50:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

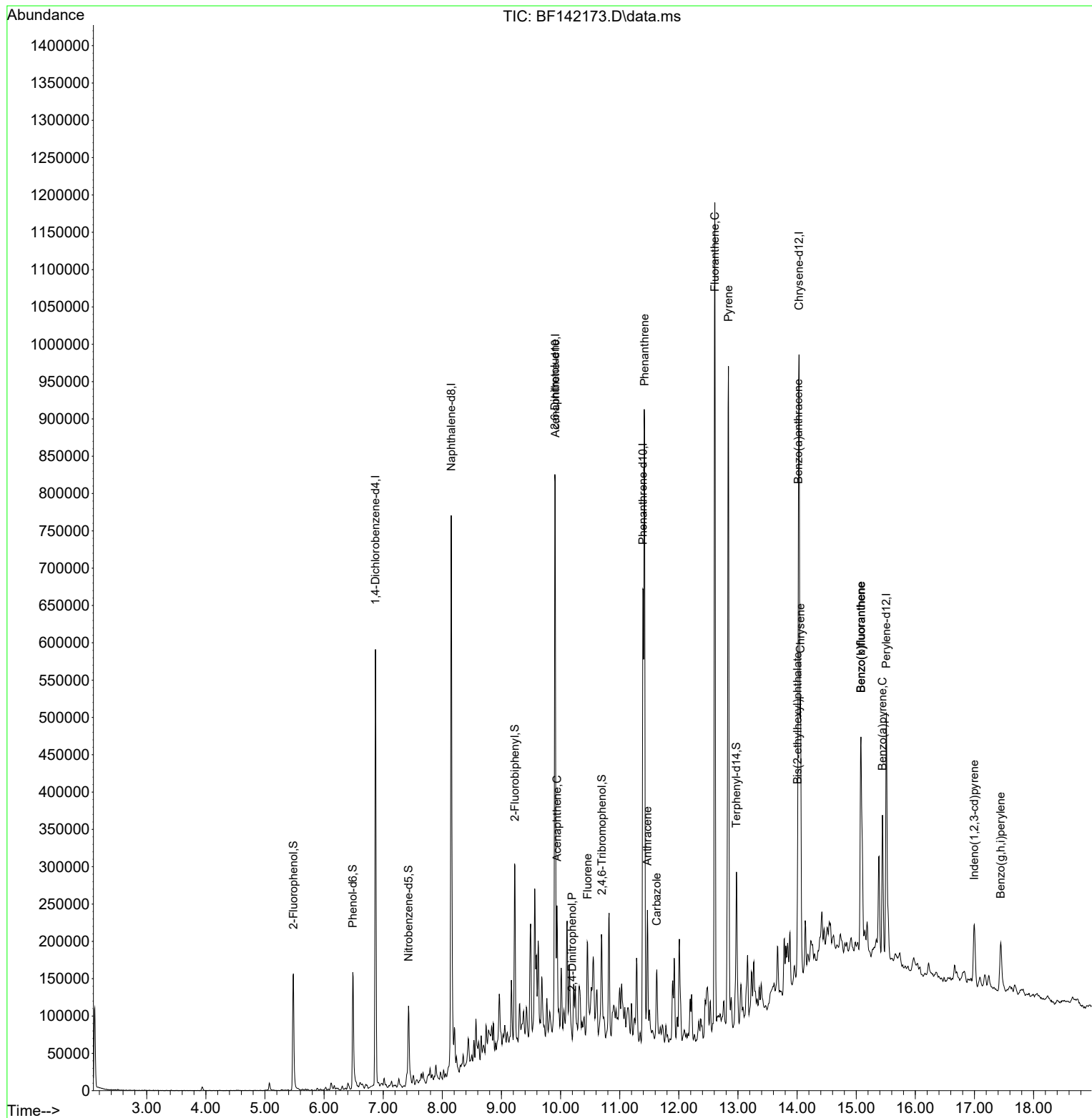
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	126835	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	480216	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	231584	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	317045	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	268656	20.000	ng	0.00
86) Perylene-d12	15.509	264	200675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	72793	9.578	ng	-0.01
7) Phenol-d6	6.487	99	88063	9.101	ng	-0.02
23) Nitrobenzene-d5	7.428	82	53799	6.305	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	19716	6.711	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	112953	7.418	ng	-0.01
79) Terphenyl-d14	12.974	244	92599	5.096	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.904	165	31834	9.428	ng	# 24
52) Acenaphthene	9.939	154	43239	3.161	ng	95
54) 2,4-Dinitrophenol	10.192	184	331	6.732	ng	# 50
58) Fluorene	10.457	166	42850	2.843	ng	99
71) Phenanthrene	11.422	178	467543	27.302	ng	98
72) Anthracene	11.469	178	104593	6.088	ng	97
73) Carbazole	11.627	167	45646	3.081	ng	98
75) Fluoranthene	12.610	202	639661	35.213	ng	99
78) Pyrene	12.839	202	527743	22.709	ng	99
81) Benzo(a)anthracene	14.021	228	228046	12.936	ng	98
83) Chrysene	14.057	228	201716	12.623	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	28142	2.244	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.998	276	67377	5.190	ng	# 92
88) Benzo(b)fluoranthene	15.080	252	255113	18.549	ng	98
89) Benzo(k)fluoranthene	15.080	252	255113	21.675	ng	99
90) Benzo(a)pyrene	15.445	252	118300	10.993	ng	98
92) Benzo(g,h,i)perylene	17.445	276	63760	6.024	ng	96

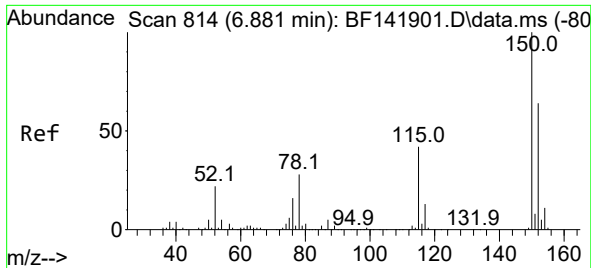
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
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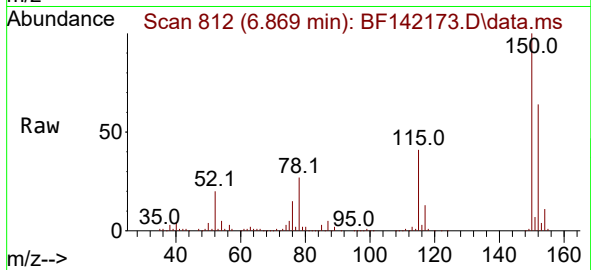
Quant Time: Mar 28 22:50:21 2025
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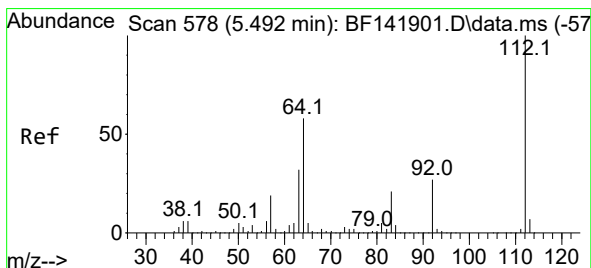
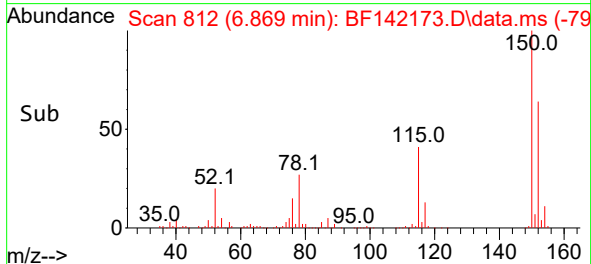
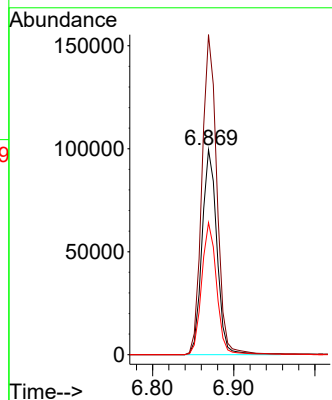


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL

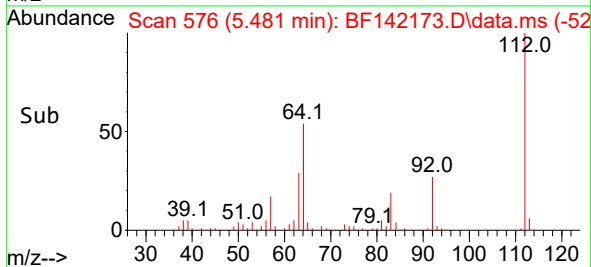
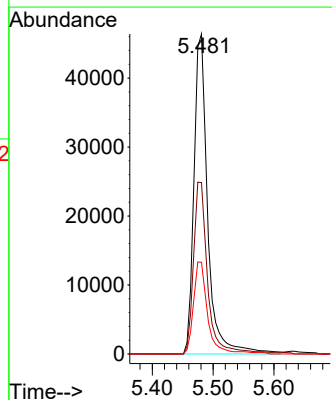
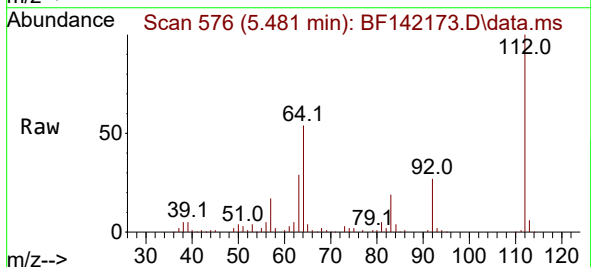


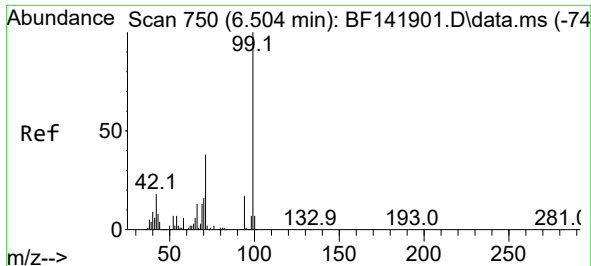
Tgt Ion:152 Resp: 126835
Ion Ratio Lower Upper
152 100
150 156.1 127.4 191.2
115 64.4 51.9 77.9



#5
2-Fluorophenol
Concen: 9.578 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:112 Resp: 72793
Ion Ratio Lower Upper
112 100
64 53.6 46.5 69.7
63 28.7 25.4 38.2

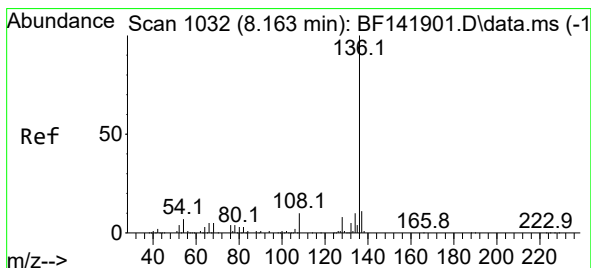
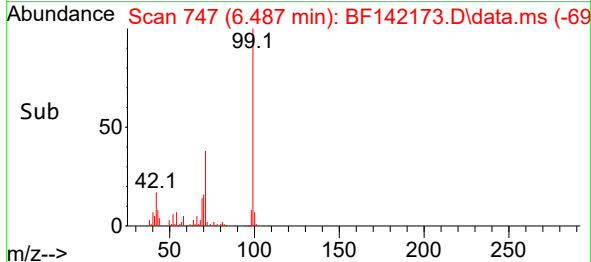
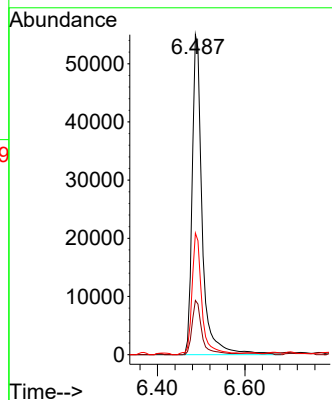
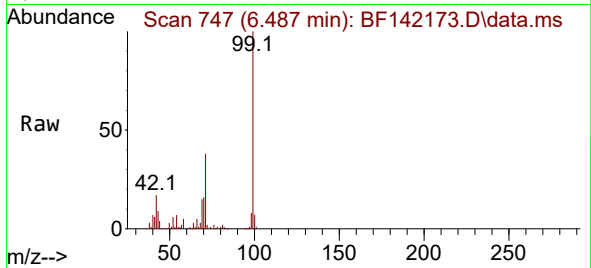




#7
Phenol-d6
Concen: 9.101 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

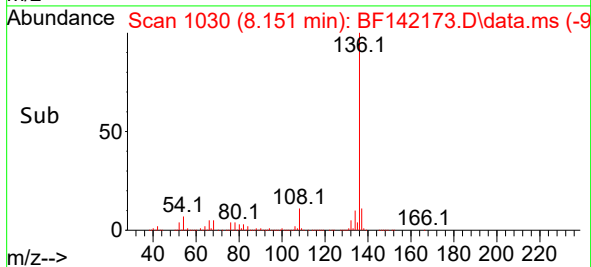
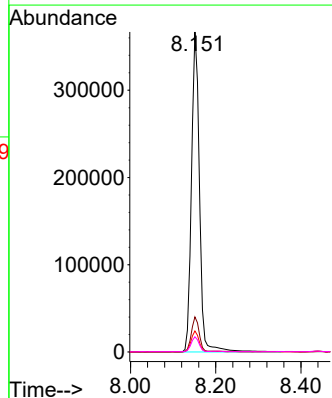
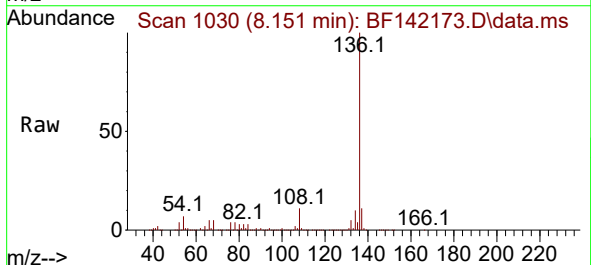
Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL

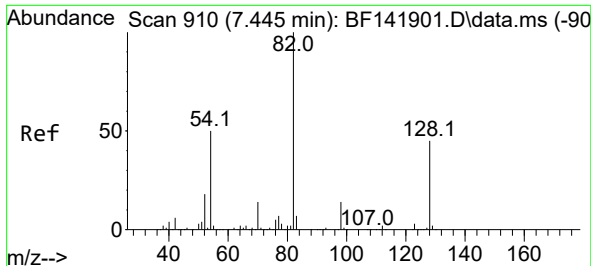
Tgt Ion: 99 Resp: 88063
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.0 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion: 136 Resp: 480216
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.8 8.8
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 6.305 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

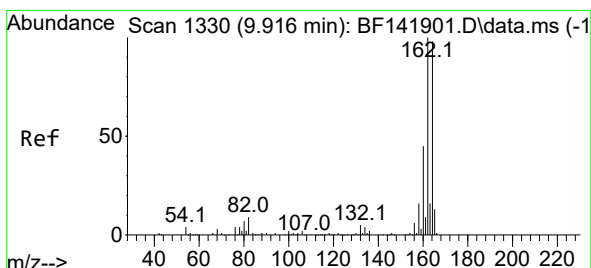
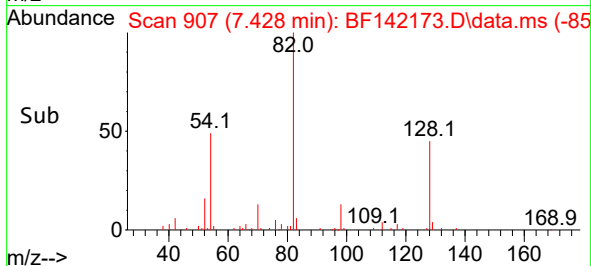
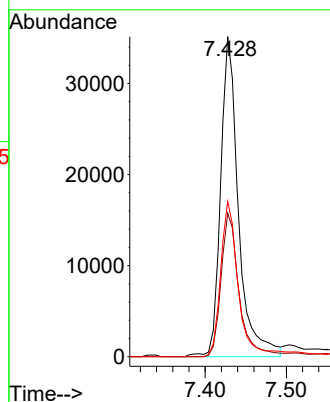
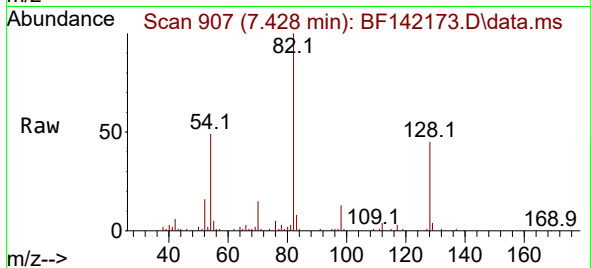
Tgt Ion: 82 Resp: 53799

Ion Ratio Lower Upper

82 100

128 44.8 36.0 54.0

54 48.5 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

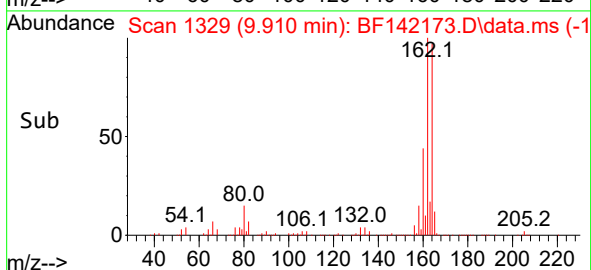
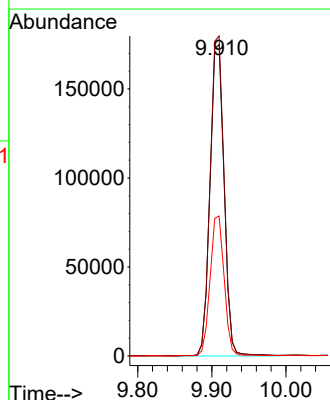
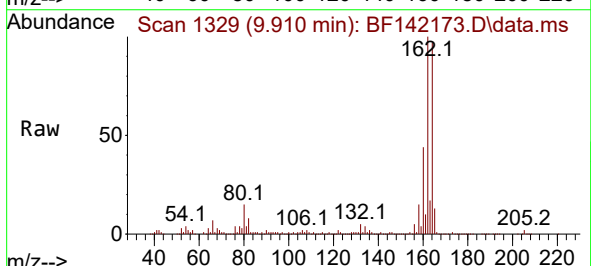
Tgt Ion: 164 Resp: 231584

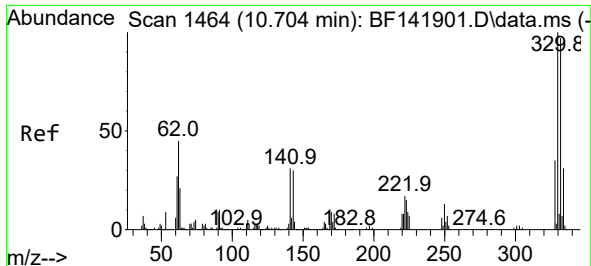
Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.6

160 44.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 6.711 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

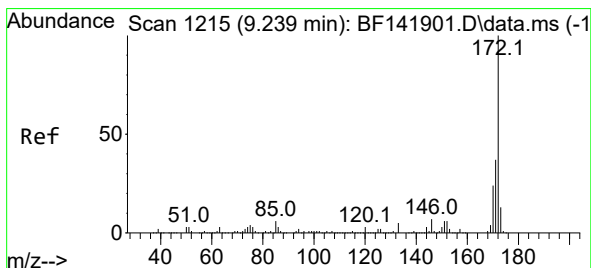
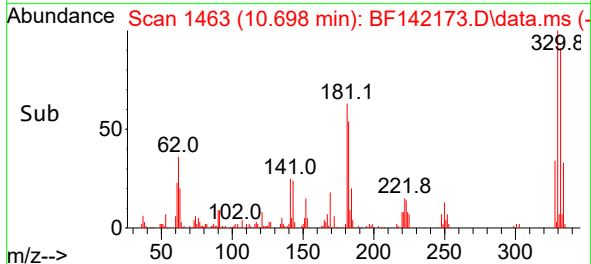
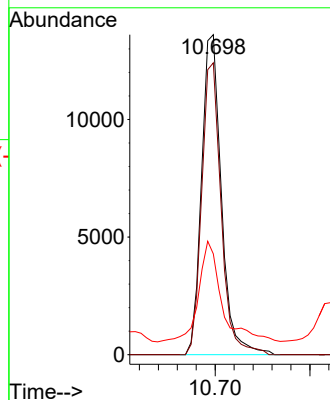
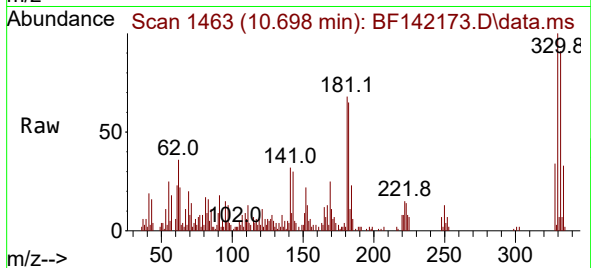
Tgt Ion:330 Resp: 19716

Ion Ratio Lower Upper

330 100

332 89.5 77.6 116.4

141 36.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 7.418 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

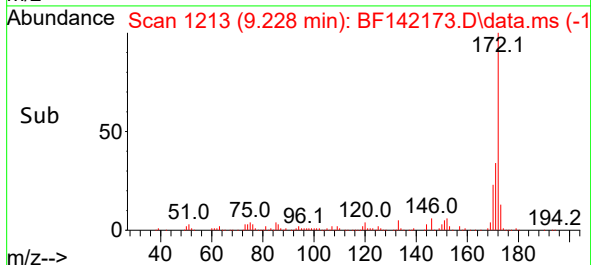
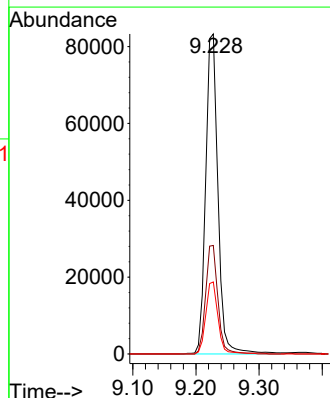
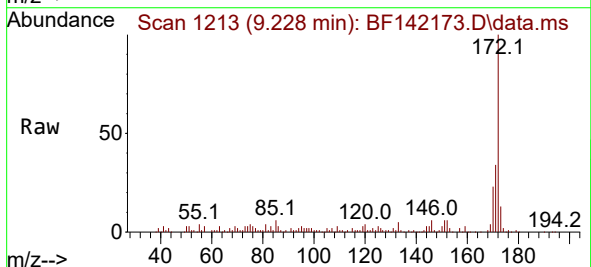
Tgt Ion:172 Resp: 112953

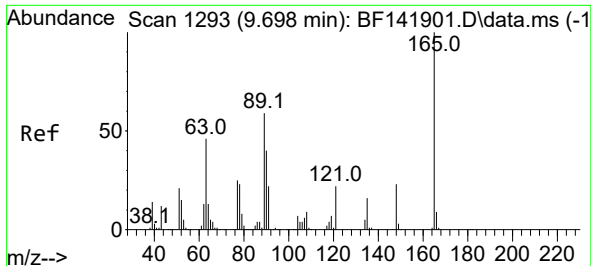
Ion Ratio Lower Upper

172 100

171 33.9 29.3 43.9

170 22.5 19.4 29.0

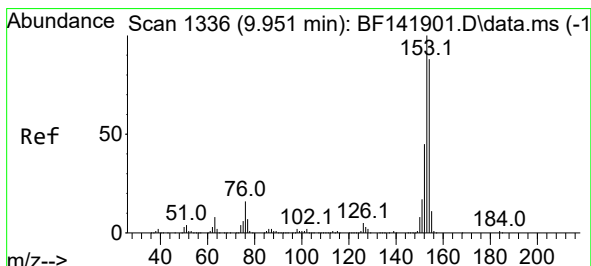
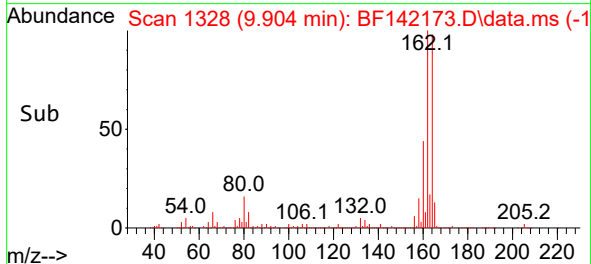
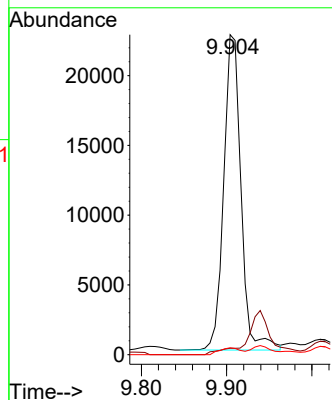
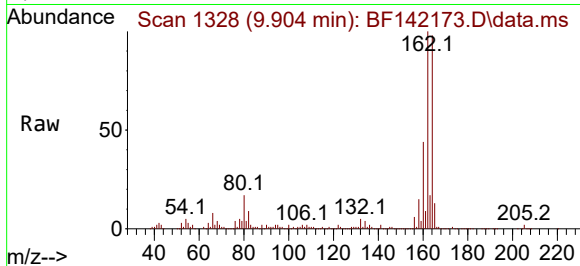




#51
2,6-Dinitrotoluene
Concen: 9.428 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

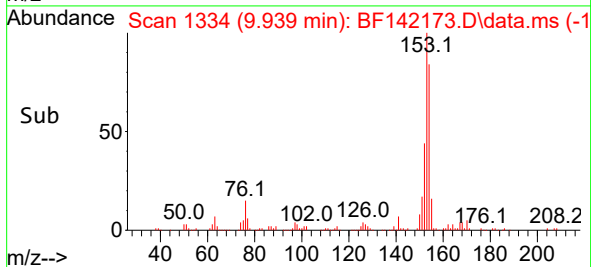
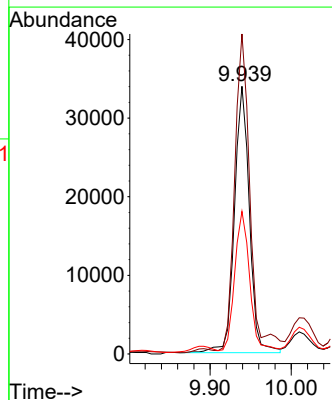
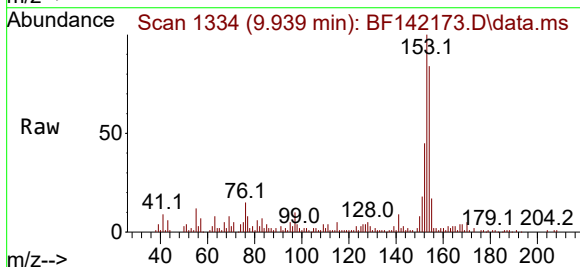
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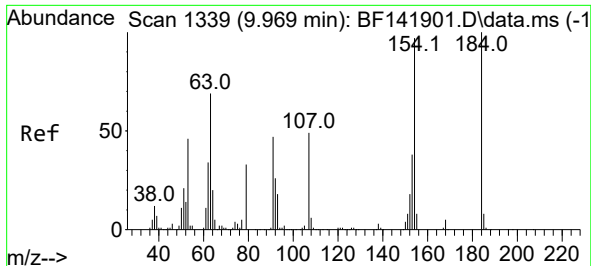
Tgt Ion:165 Resp: 31834
Ion Ratio Lower Upper
165 100
63 2.0 47.0 70.4#
89 2.2 47.4 71.2#



#52
Acenaphthene
Concen: 3.161 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:154 Resp: 43239
Ion Ratio Lower Upper
154 100
153 119.6 90.7 136.1
152 53.3 41.1 61.7

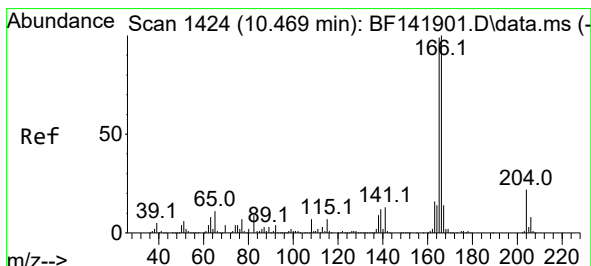
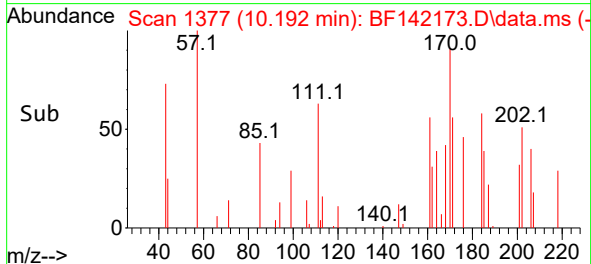
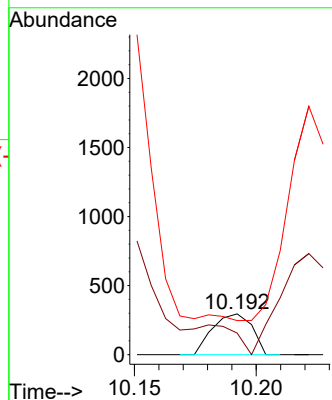
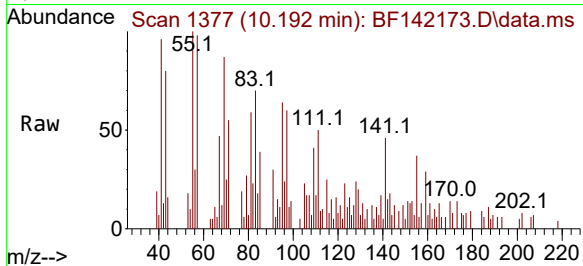




#54
2,4-Dinitrophenol
Concen: 6.732 ng
RT: 10.192 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

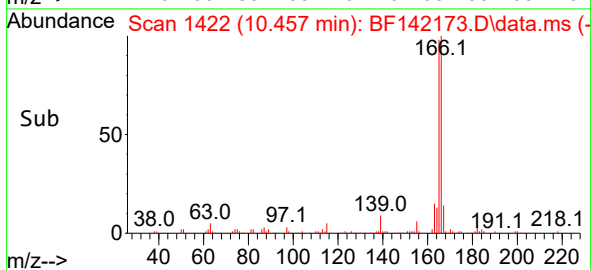
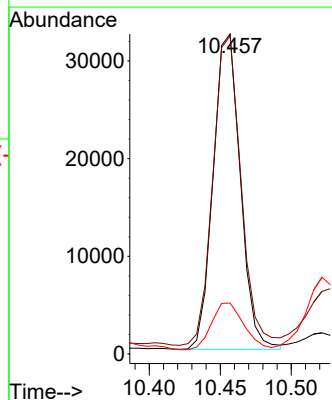
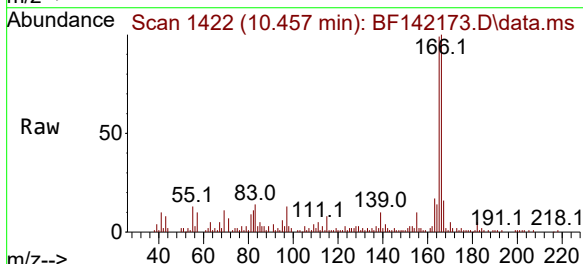
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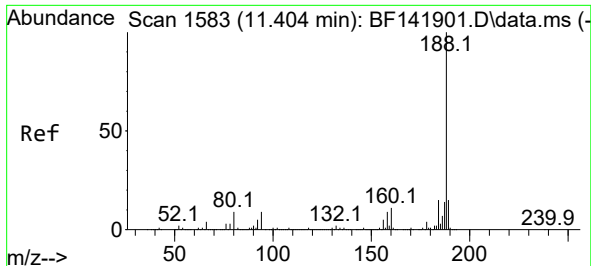
Tgt Ion:184 Resp: 331
Ion Ratio Lower Upper
184 100
63 52.9 60.2 90.4#
154 83.4 132.9 199.3#



#58
Fluorene
Concen: 2.843 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:166 Resp: 42850
Ion Ratio Lower Upper
166 100
165 99.4 79.0 118.4
167 15.9 11.0 16.4

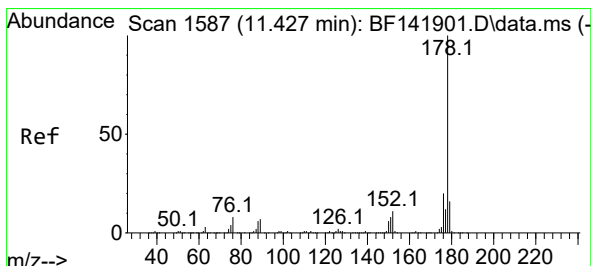
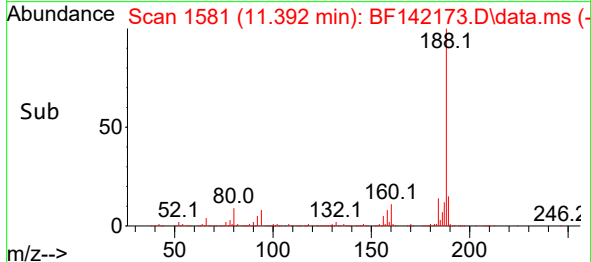
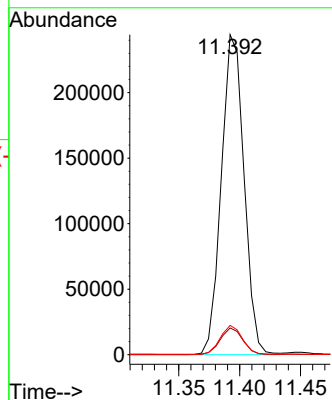
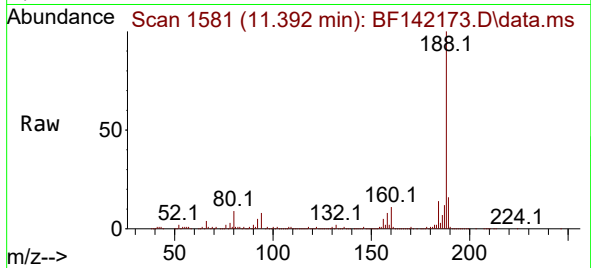




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

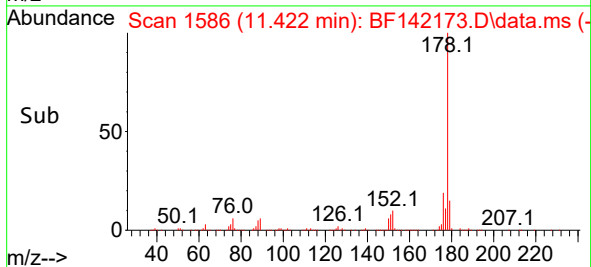
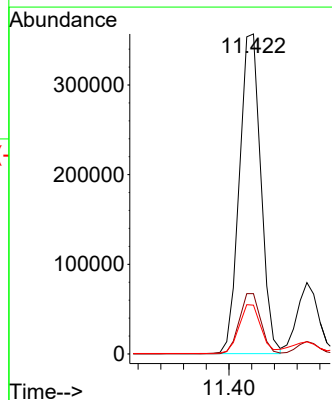
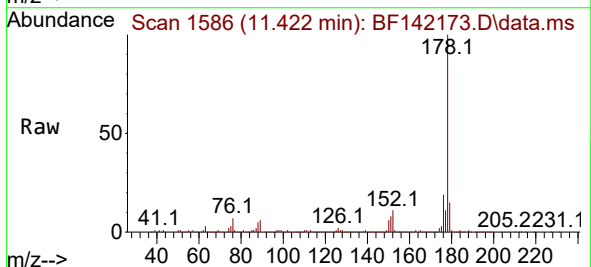
Instrument :
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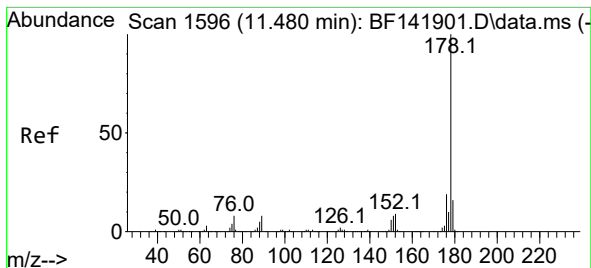
Tgt Ion:188 Resp: 317045
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.1 7.6 11.4



#71
Phenanthrene
Concen: 27.302 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:178 Resp: 467543
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.2 12.6 19.0





#72

Anthracene

Concen: 6.088 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.012 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

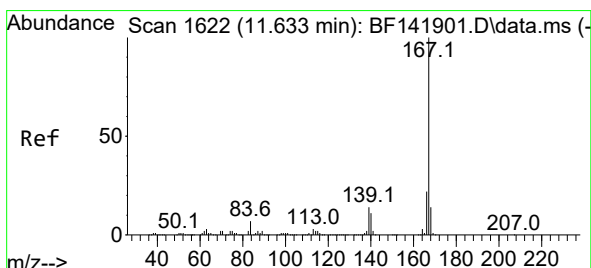
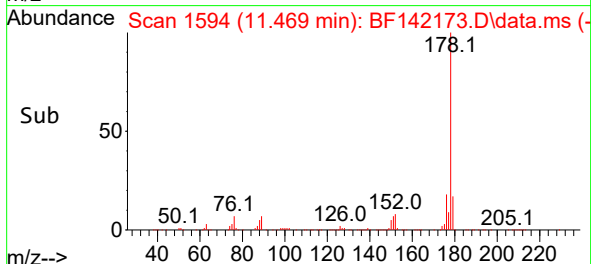
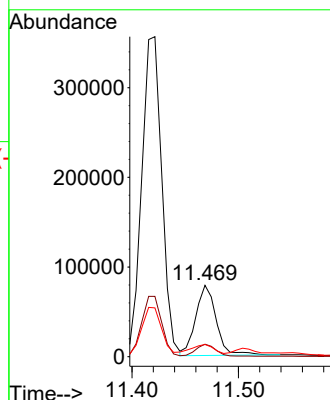
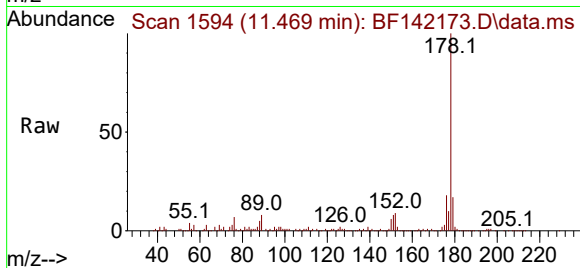
Tgt Ion:178 Resp: 104593

Ion Ratio Lower Upper

178 100

176 17.5 15.1 22.7

179 17.0 12.6 19.0



#73

Carbazole

Concen: 3.081 ng

RT: 11.627 min Scan# 1621

Delta R.T. -0.006 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

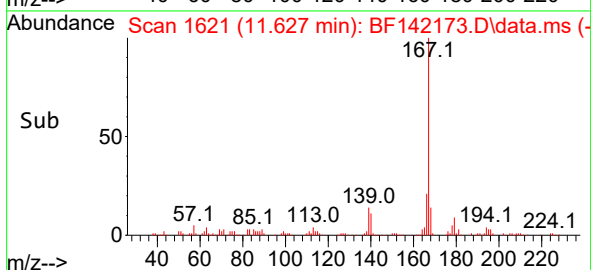
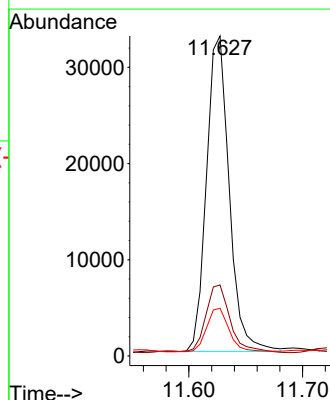
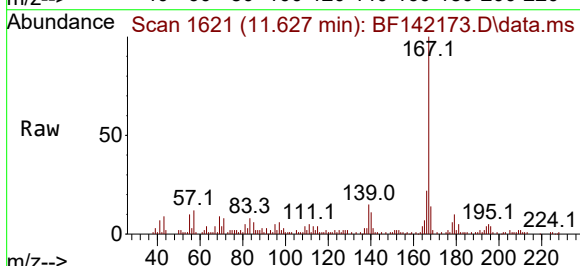
Tgt Ion:167 Resp: 45646

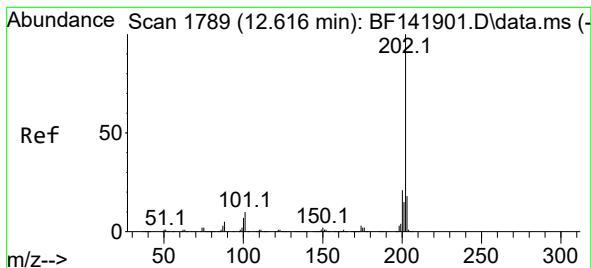
Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.2

139 14.9 11.0 16.6





#75

Fluoranthene

Concen: 35.213 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

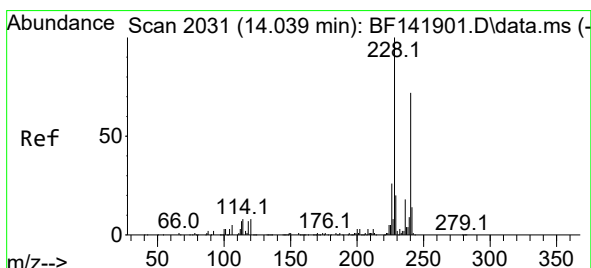
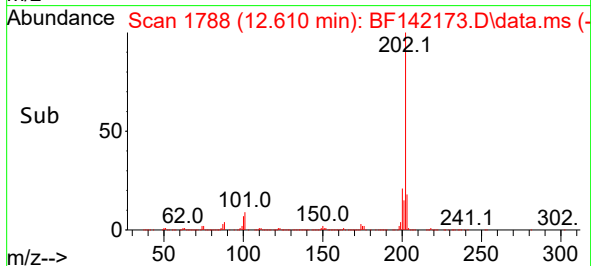
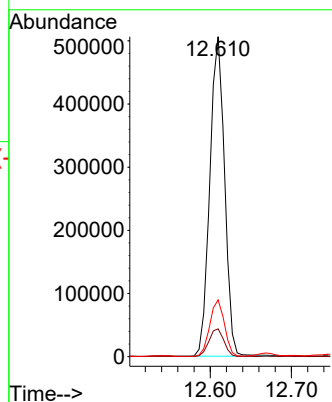
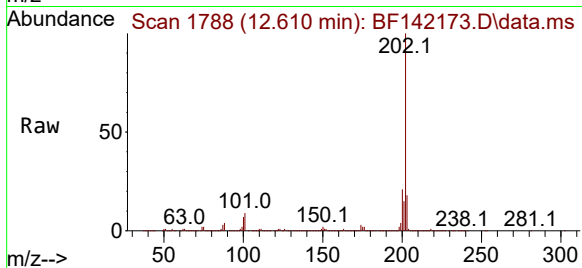
Tgt Ion:202 Resp: 639661

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.7

203 17.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

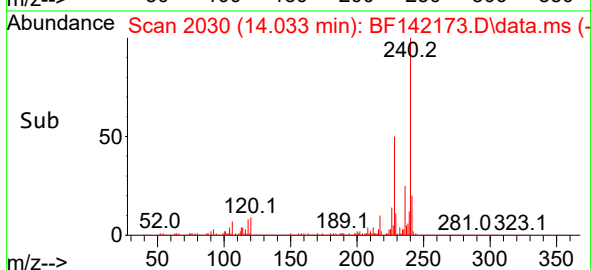
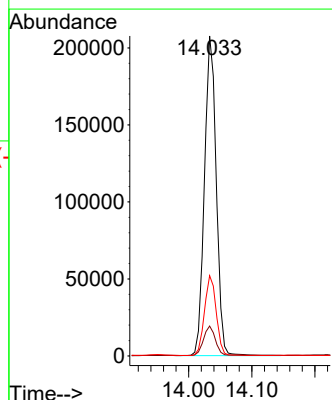
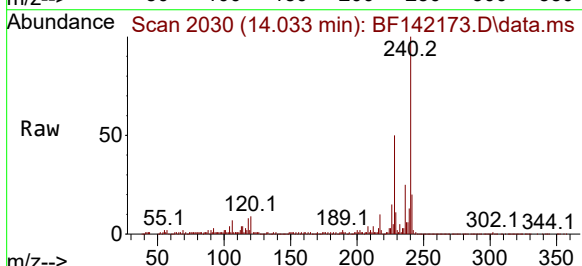
Tgt Ion:240 Resp: 268656

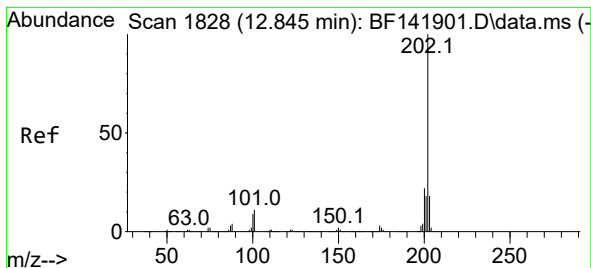
Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

236 25.1 20.5 30.7





#78

Pyrene

Concen: 22.709 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

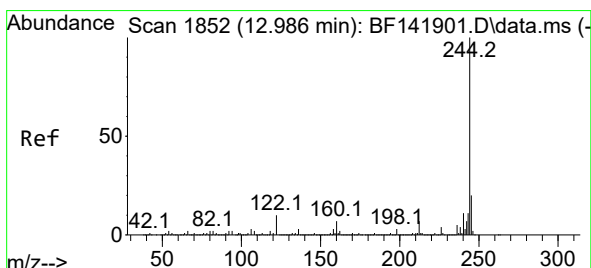
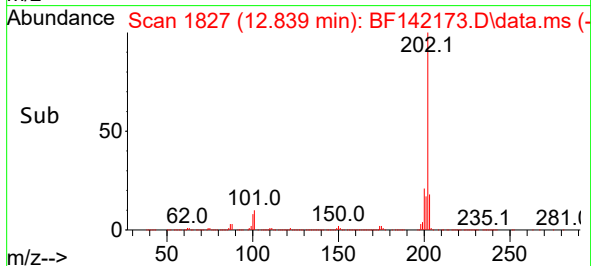
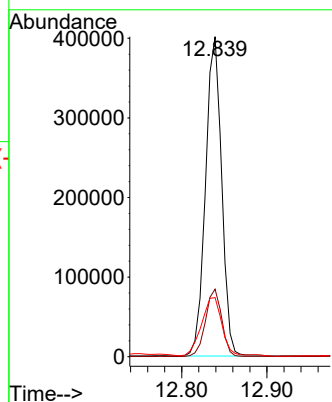
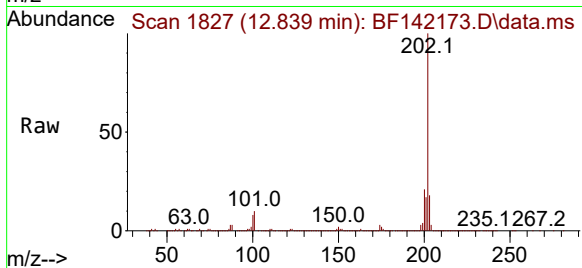
Tgt Ion:202 Resp: 527743

Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 18.5 14.4 21.6



#79

Terphenyl-d14

Concen: 5.096 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

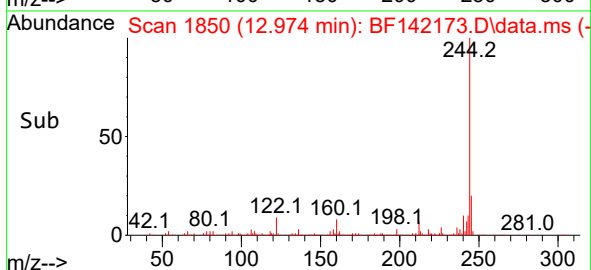
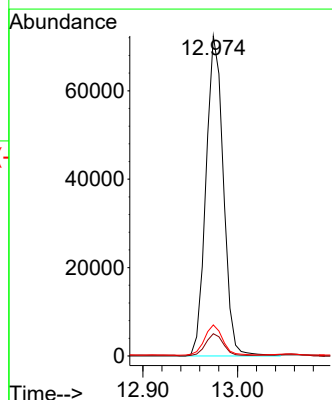
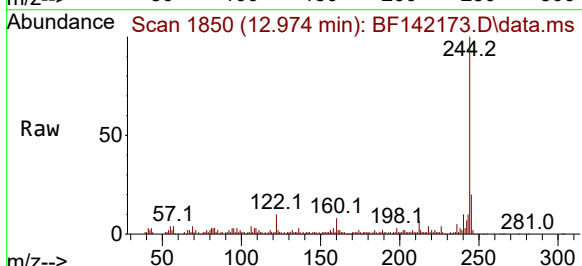
Tgt Ion:244 Resp: 92599

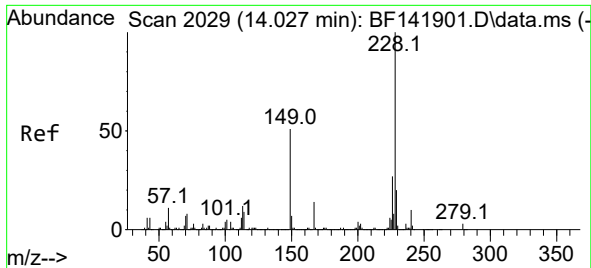
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.7 7.7 11.5

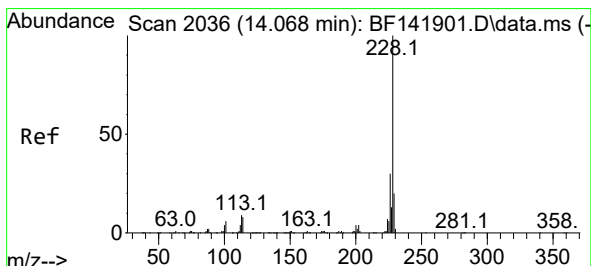
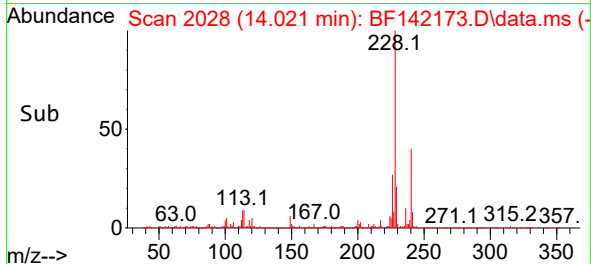
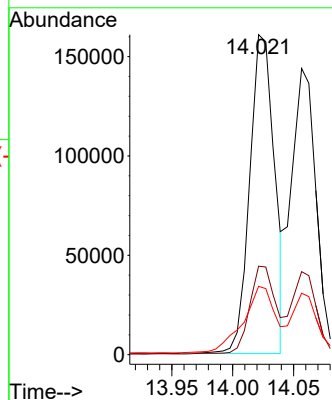
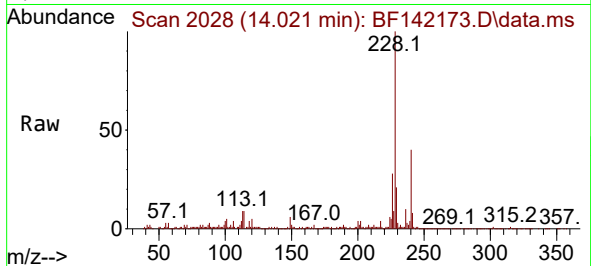




#81
Benzo(a)anthracene
Concen: 12.936 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

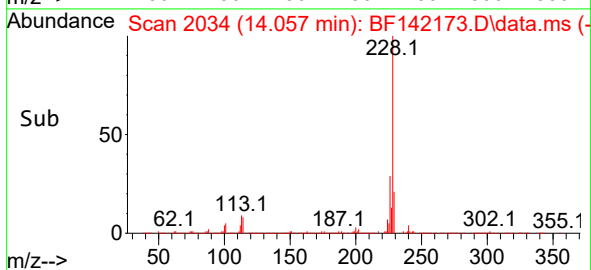
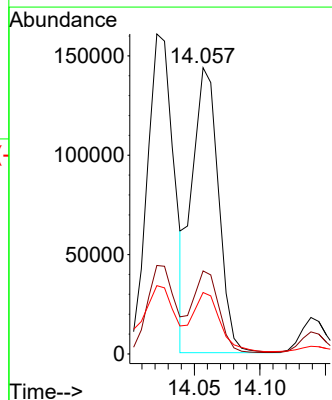
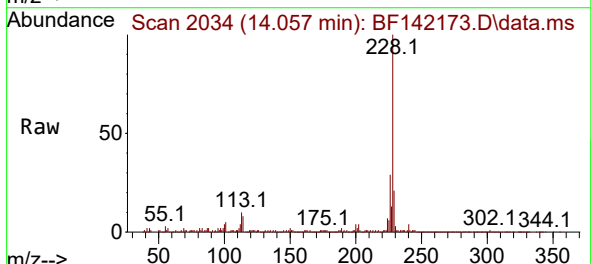
Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL

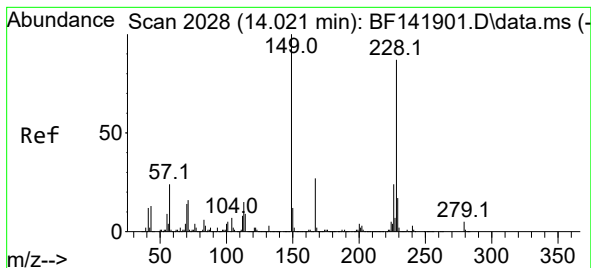
Tgt Ion:228 Resp: 228046
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 21.3 16.0 24.0



#83
Chrysene
Concen: 12.623 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:228 Resp: 201716
Ion Ratio Lower Upper
228 100
226 29.0 24.1 36.1
229 21.5 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.244 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

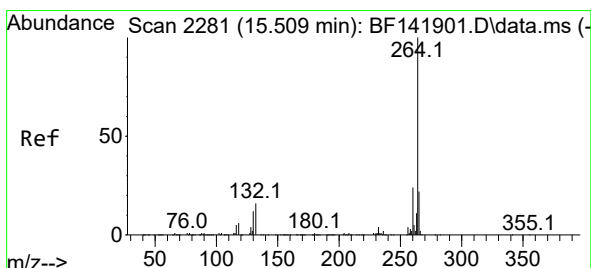
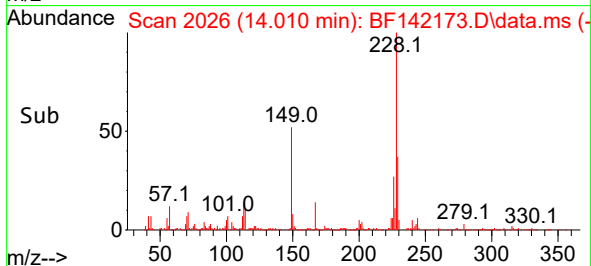
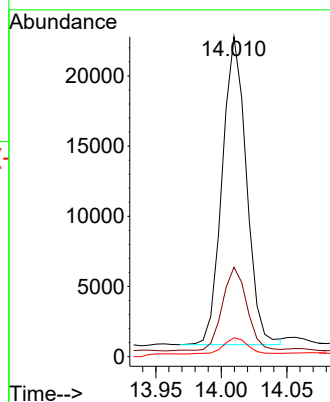
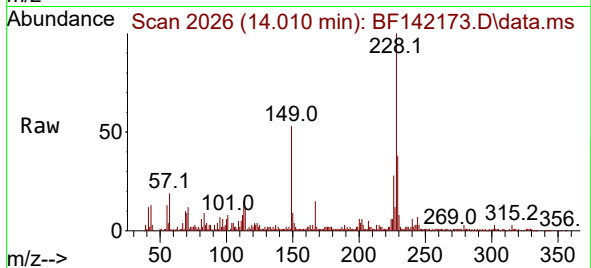
Tgt Ion:149 Resp: 28142

Ion Ratio Lower Upper

149 100

167 28.0 21.4 32.0

279 5.9 3.8 5.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

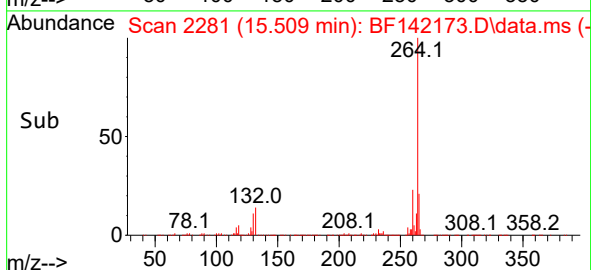
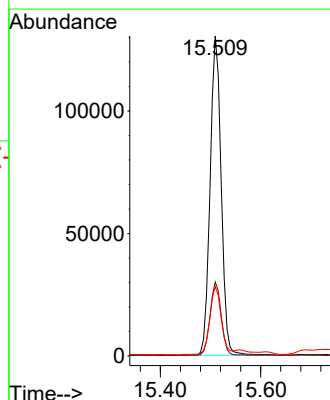
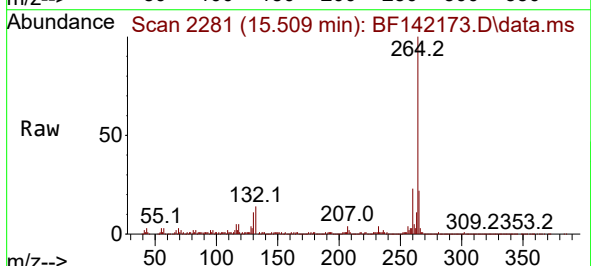
Tgt Ion:264 Resp: 200675

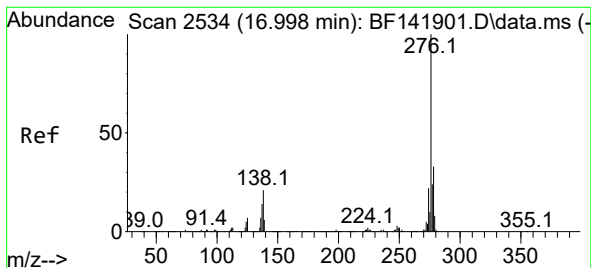
Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.190 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

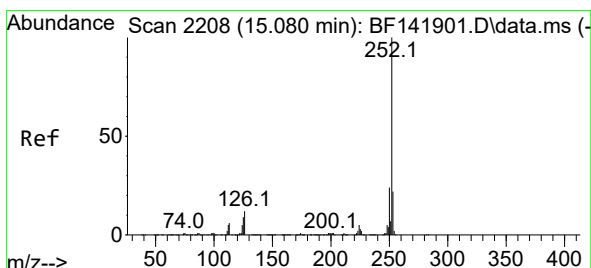
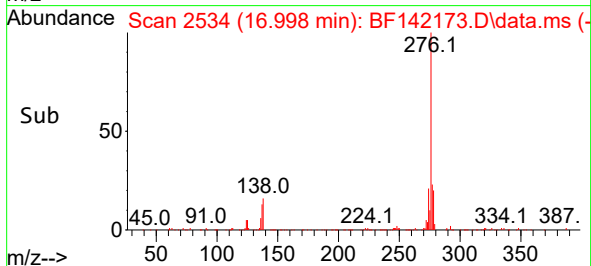
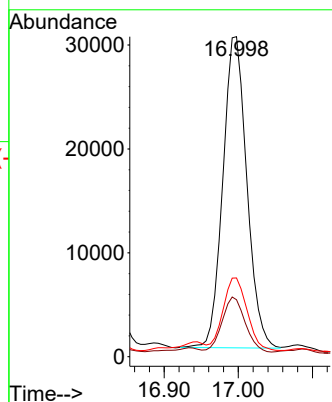
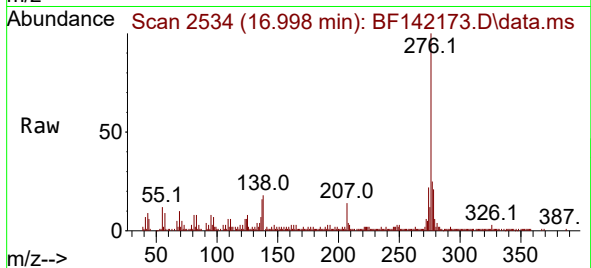
Tgt Ion:276 Resp: 67377

Ion Ratio Lower Upper

276 100

138 17.0 18.4 27.6#

277 23.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 18.549 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

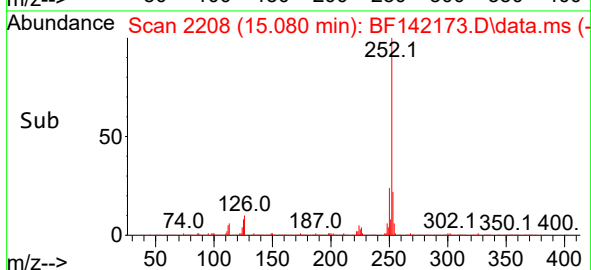
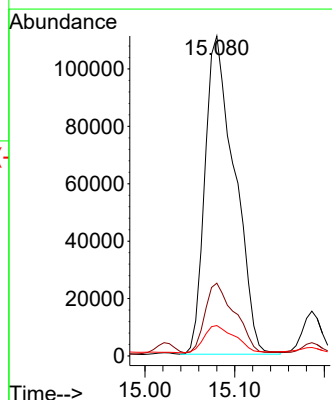
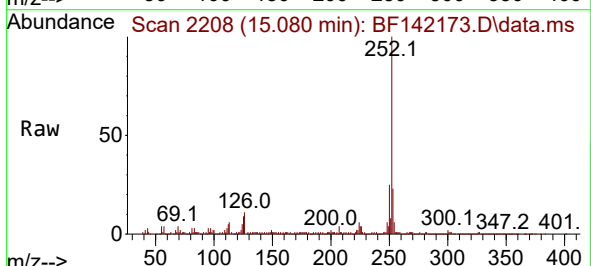
Tgt Ion:252 Resp: 255113

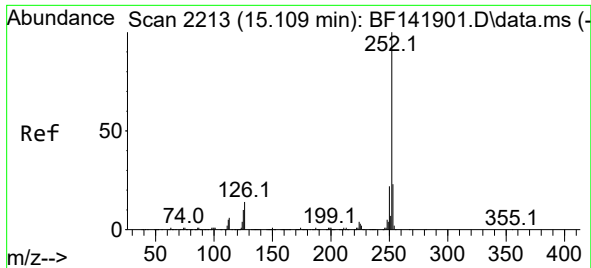
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 9.5 7.0 10.4

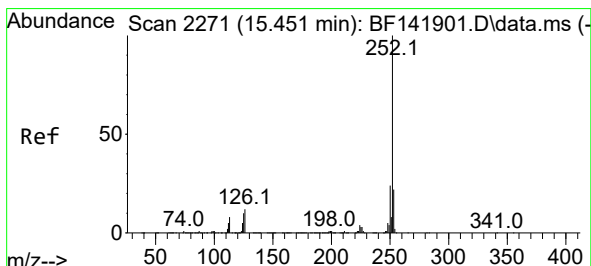
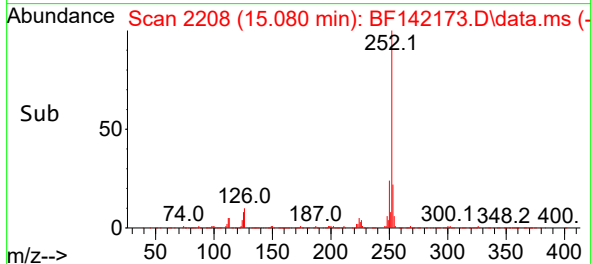
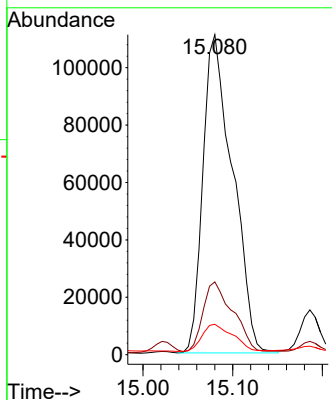
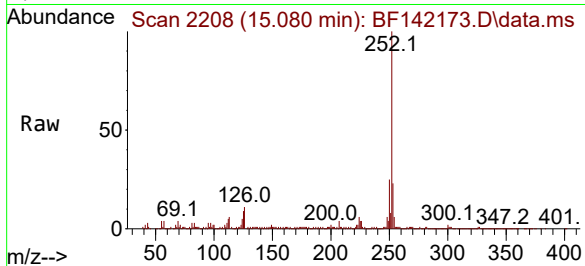




#89
Benzo(k)fluoranthene
Concen: 21.675 ng
RT: 15.080 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

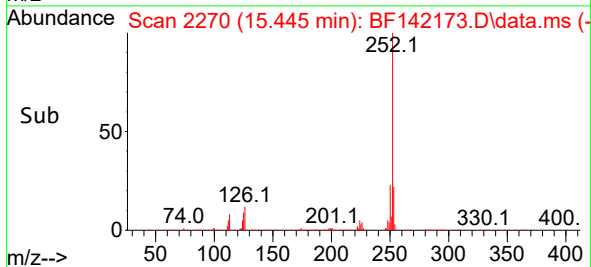
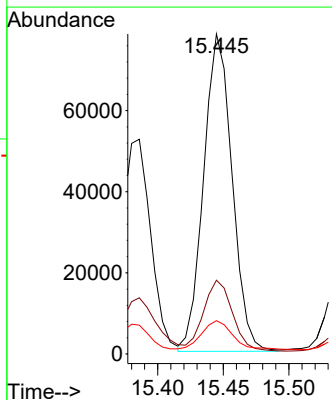
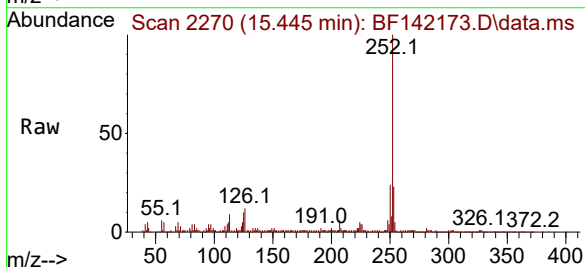
Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL

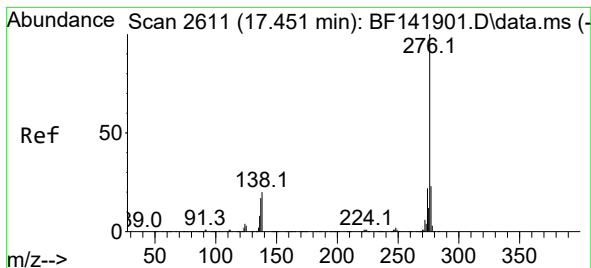
Tgt Ion:252 Resp: 255113
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.5 7.2 10.8



#90
Benzo(a)pyrene
Concen: 10.993 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:252 Resp: 118300
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.4 7.8 11.8





#92

Benzo(g,h,i)perylene

Concen: 6.024 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142173.D

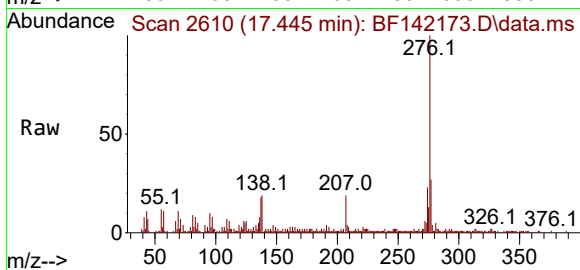
Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL



Tgt Ion:276 Resp: 63760

Ion Ratio Lower Upper

276 100

277 26.8 18.7 28.1

138 19.1 15.8 23.8

