

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142171.D
 Acq On : 28 Mar 2025 20:31
 Operator : RC/JU
 Sample : Q1650-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE-BIN2

Quant Time: Mar 28 22:49:33 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)

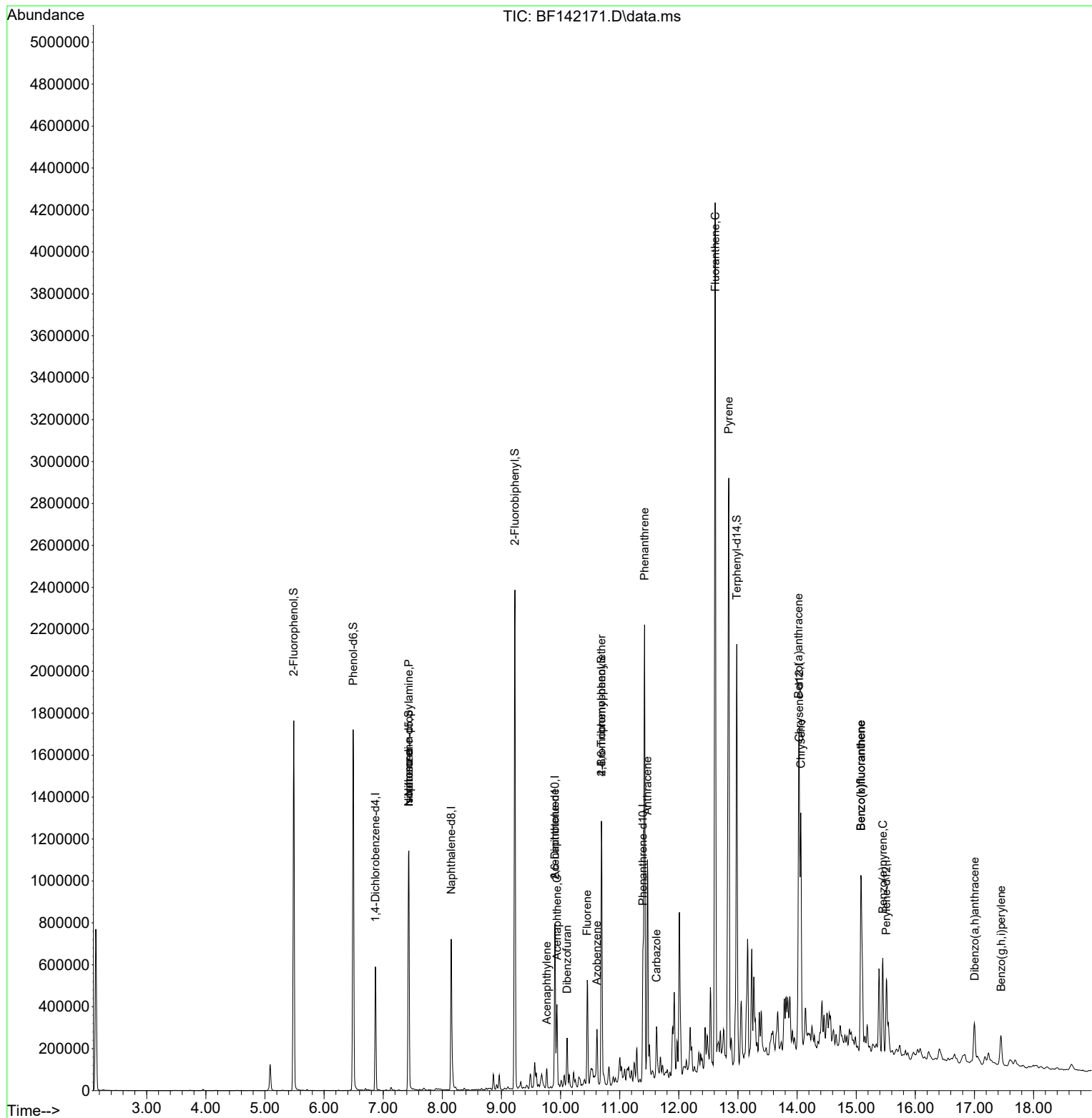
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	124029	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	467807	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	232192	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	339428	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	266213	20.000	ng	0.00
86) Perylene-d12	15.510	264	218359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	690208	92.876	ng	0.00
7) Phenol-d6	6.492	99	840305	88.809	ng	-0.01
23) Nitrobenzene-d5	7.434	82	547280	65.836	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	216217	73.402	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1053672	69.013	ng	-0.01
79) Terphenyl-d14	12.980	244	937885	52.087	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	74606	12.271	ng	# 76
25) Isophorone	7.434	82	540713	36.798	ng	# 64
49) Acenaphthylene	9.769	152	45530	2.333	ng	98
51) 2,6-Dinitrotoluene	9.904	165	32699	9.659	ng	# 23
52) Acenaphthene	9.939	154	121515	8.861	ng	98
55) Dibenzofuran	10.110	168	107383	5.480	ng	97
58) Fluorene	10.451	166	202170	13.379	ng	99
63) Azobenzene	10.616	77	49099	3.257	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	13631	3.198	ng	# 1
71) Phenanthrene	11.422	178	1174454	64.060	ng	99
72) Anthracene	11.469	178	615529	33.465	ng	99
73) Carbazole	11.622	167	122030	7.693	ng	100
75) Fluoranthene	12.616	202	2509001	129.013	ng	98
78) Pyrene	12.845	202	1718301	74.619	ng	99
81) Benzo(a)anthracene	14.027	228	717394	41.067	ng	96
83) Chrysene	14.063	228	592451	37.414	ng	97
88) Benzo(b)fluoranthene	15.080	252	755280	50.468	ng	98
89) Benzo(k)fluoranthene	15.080	252	755280	58.974	ng	98
90) Benzo(a)pyrene	15.451	252	282175	24.097	ng	97
91) Dibenzo(a,h)anthracene	17.004	278	38997	3.346	ng	# 90
92) Benzo(g,h,i)perylene	17.451	276	139499	12.112	ng	97

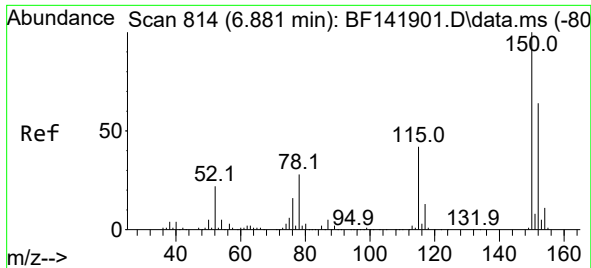
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142171.D
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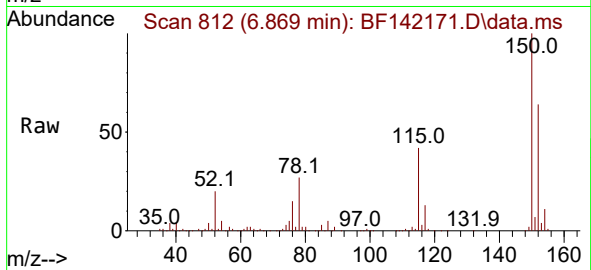
Quant Time: Mar 28 22:49:33 2025
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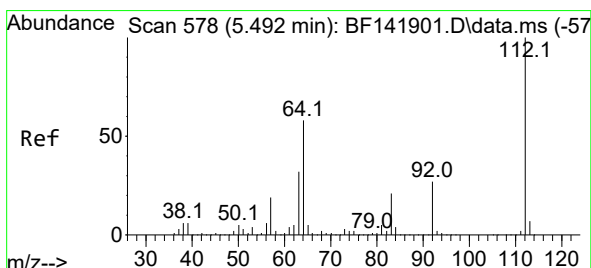
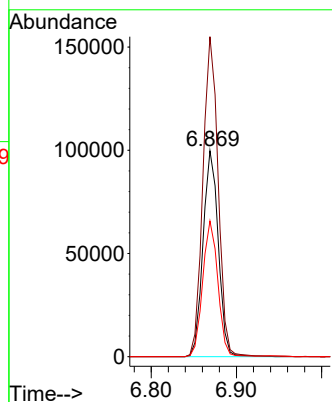
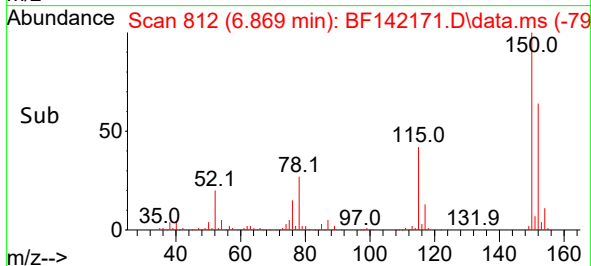


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

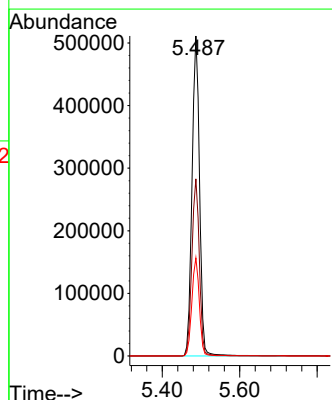
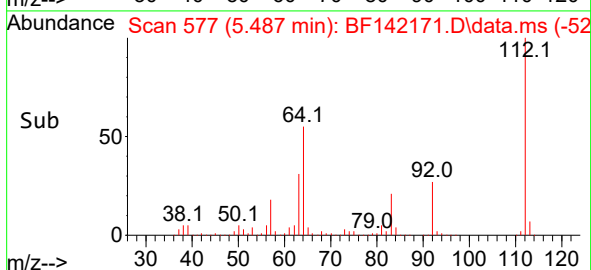
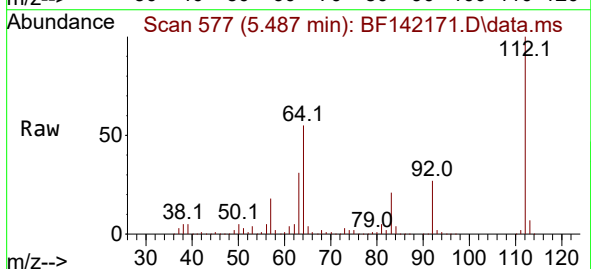


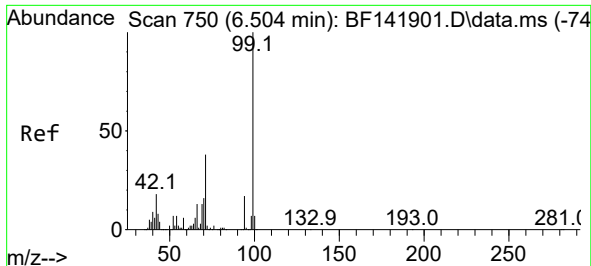
Tgt Ion:152 Resp: 124029
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.2
115 65.9 51.9 77.9



#5
2-Fluorophenol
Concen: 92.876 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Tgt Ion:112 Resp: 690208
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 30.6 25.4 38.2

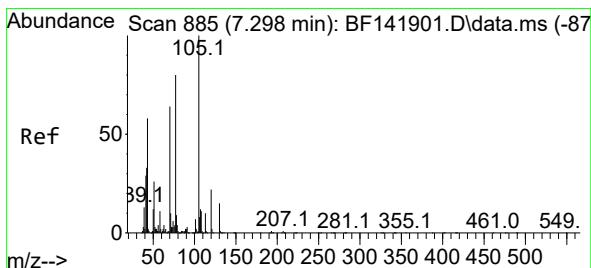
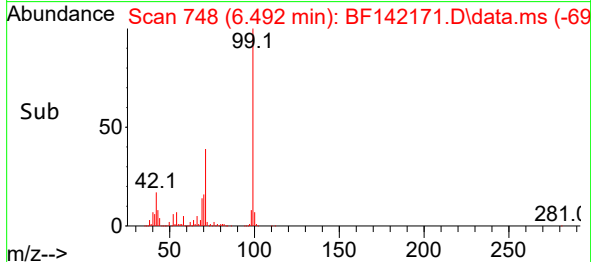
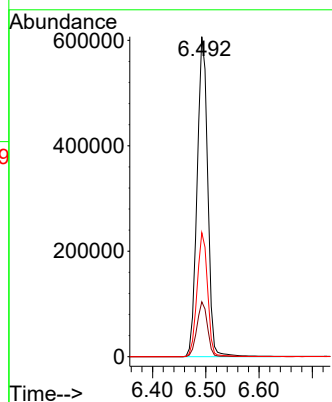
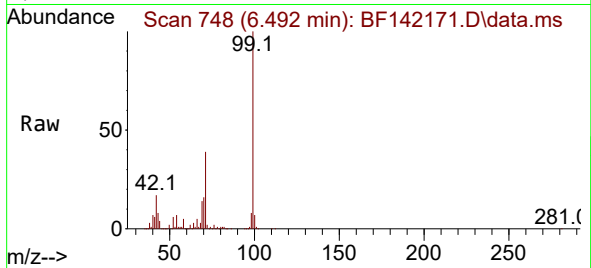




#7
Phenol-d6
Concen: 88.809 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

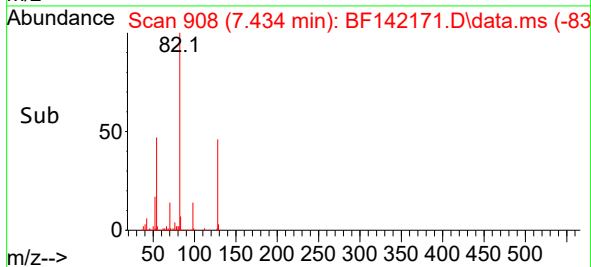
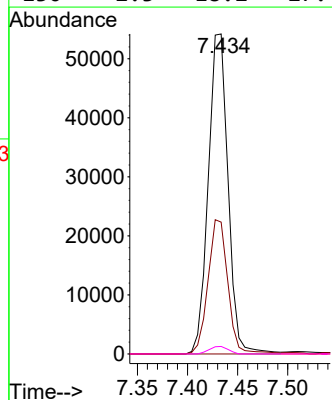
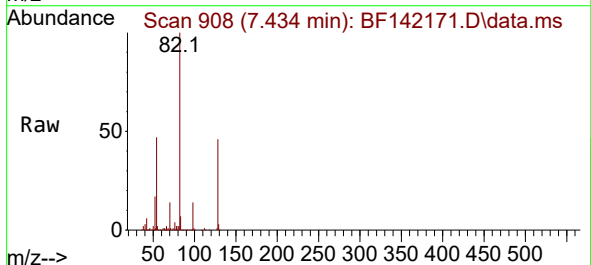
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

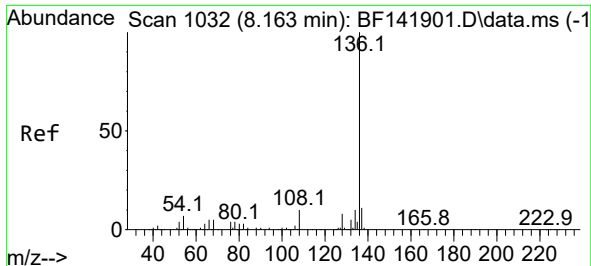
Tgt Ion: 99 Resp: 840305
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 38.7 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.271 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Tgt Ion: 70 Resp: 74606
Ion Ratio Lower Upper
70 100
42 41.2 41.4 62.0#
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#

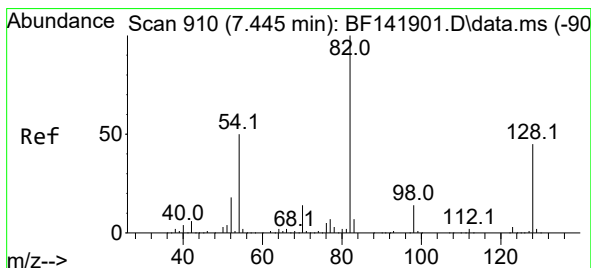
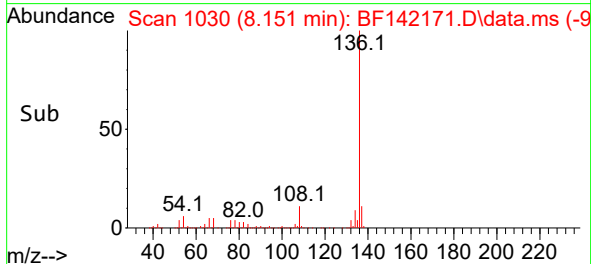
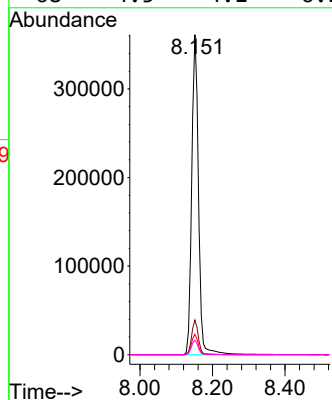
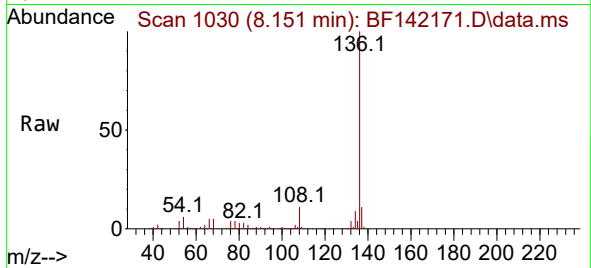




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

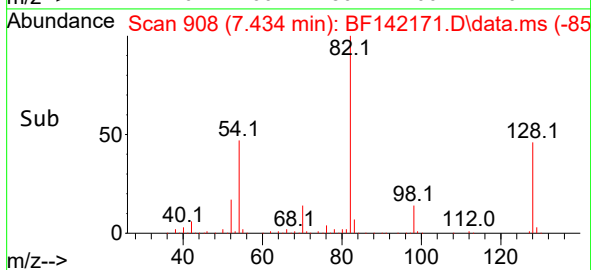
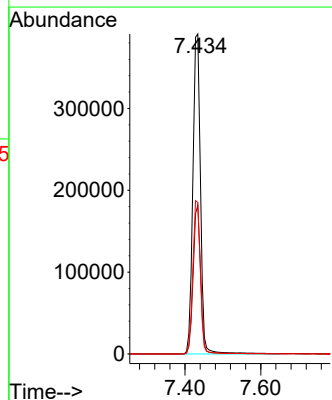
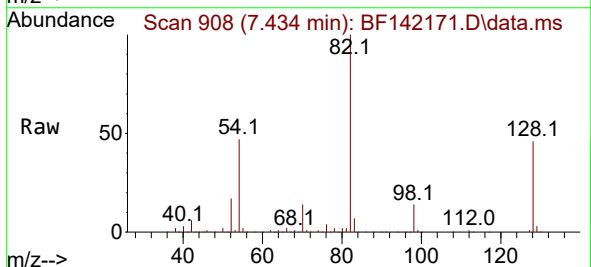
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

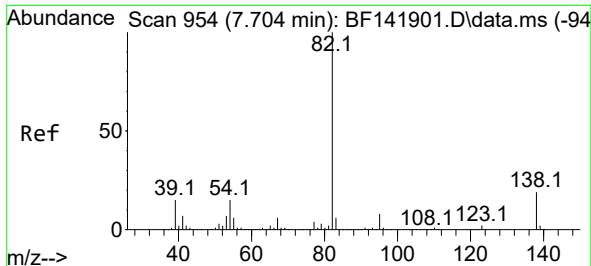
Tgt Ion:136 Resp: 467807
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.4 5.8 8.8
68 4.5 4.1 6.1



#23
Nitrobenzene-d5
Concen: 65.836 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Tgt Ion: 82 Resp: 547280
Ion Ratio Lower Upper
82 100
128 46.4 36.0 54.0
54 47.3 39.6 59.4

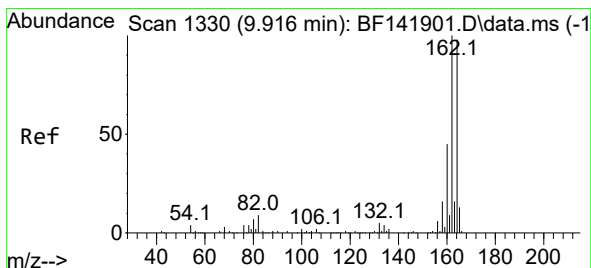
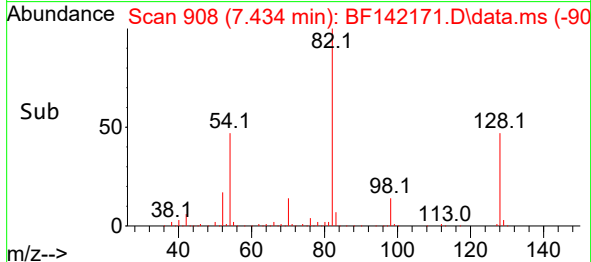
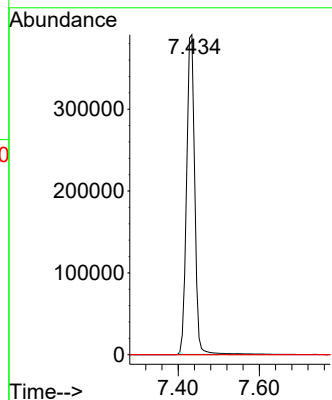
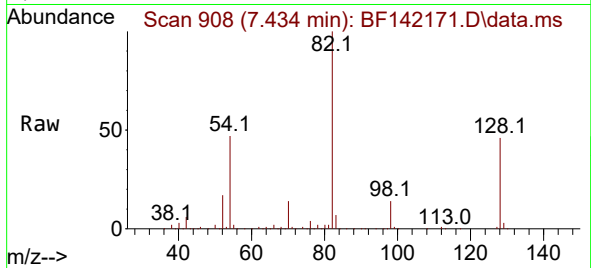




#25
Isophorone
Concen: 36.798 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

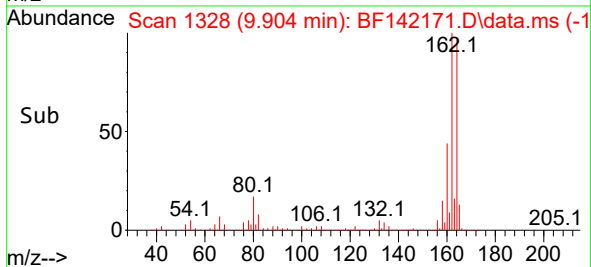
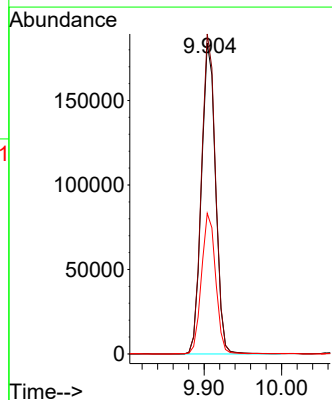
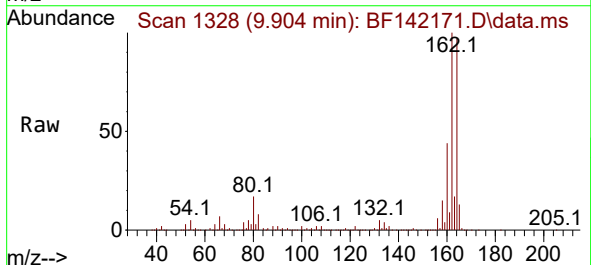
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BNA_F
ClientSampleId :
STOCK-PILE-BIN2

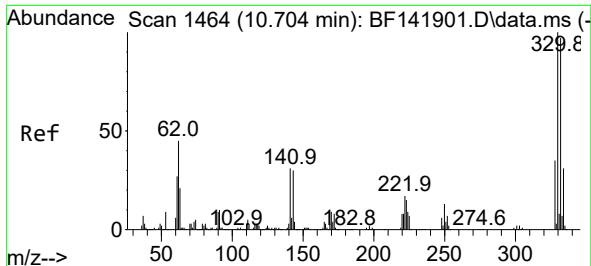
Tgt Ion: 82 Resp: 540713
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Tgt Ion:164 Resp: 232192
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 45.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 73.402 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2

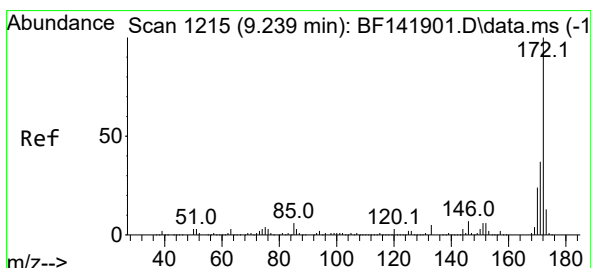
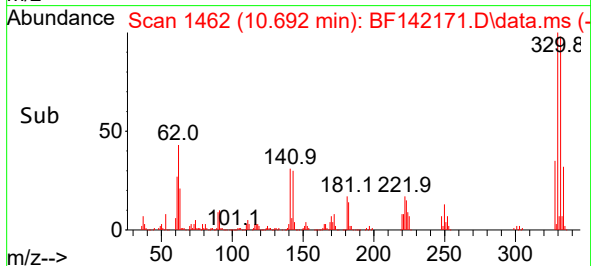
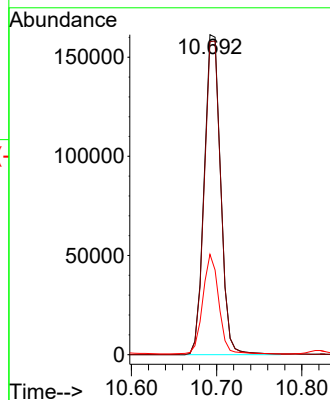
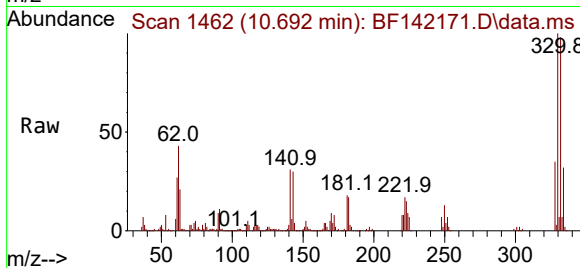
Tgt Ion:330 Resp: 216217

Ion Ratio Lower Upper

330 100

332 98.4 77.6 116.4

141 30.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 69.013 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

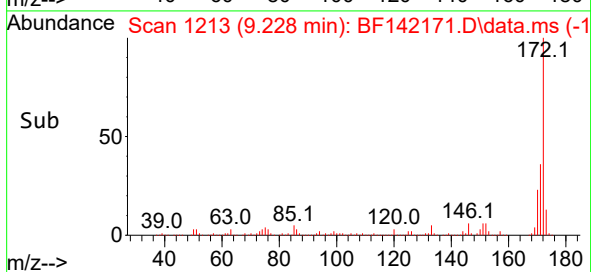
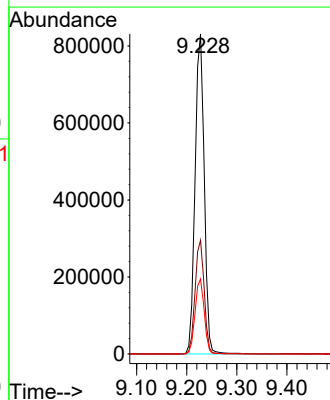
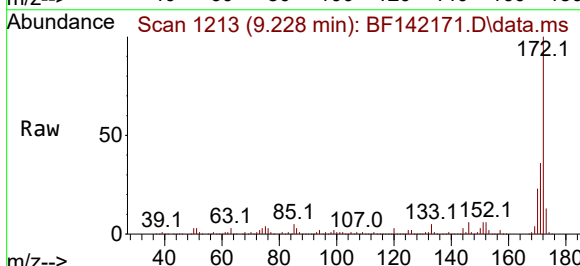
Tgt Ion:172 Resp: 1053672

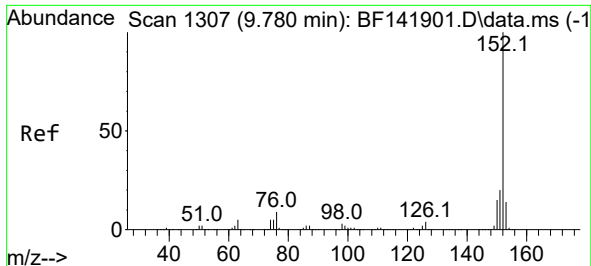
Ion Ratio Lower Upper

172 100

171 35.6 29.3 43.9

170 23.4 19.4 29.0

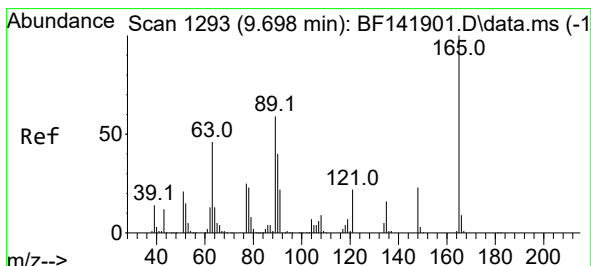
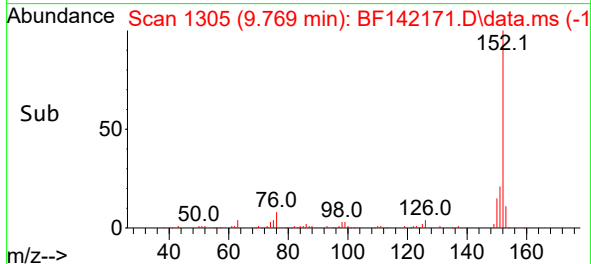
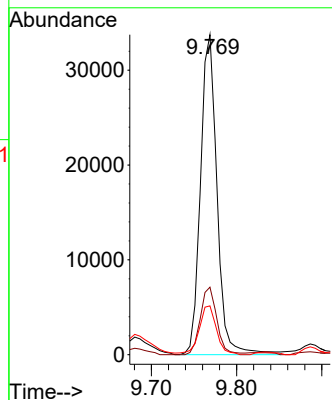
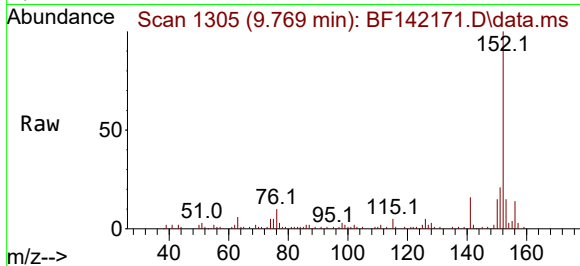




#49
Acenaphthylene
Concen: 2.333 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

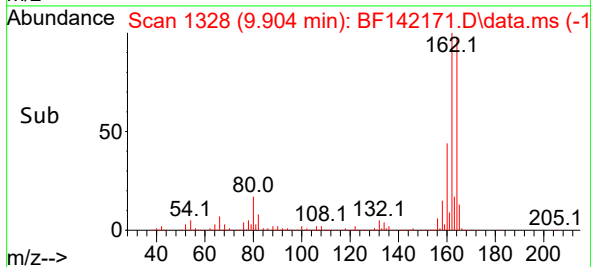
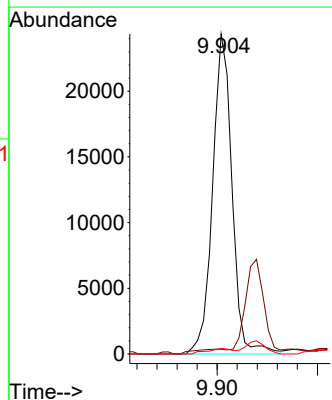
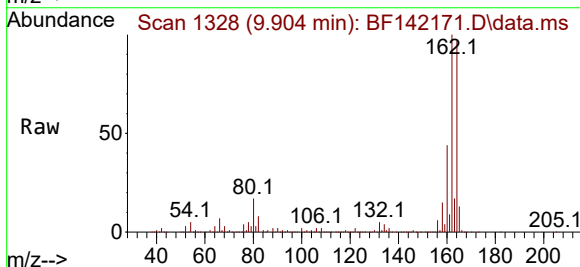
Instrument :
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STOCK-PILE-BIN2

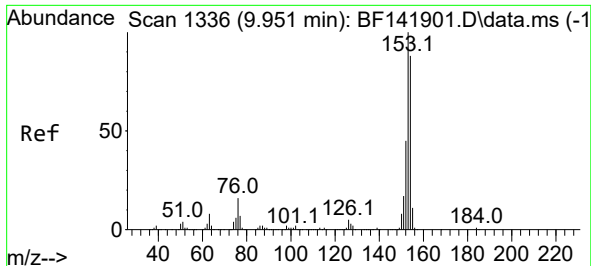
Tgt Ion:152 Resp: 45530
Ion Ratio Lower Upper
152 100
151 21.1 16.3 24.5
153 15.2 11.1 16.7



#51
2,6-Dinitrotoluene
Concen: 9.659 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Tgt Ion:165 Resp: 32699
Ion Ratio Lower Upper
165 100
63 1.4 47.0 70.4#
89 1.7 47.4 71.2#

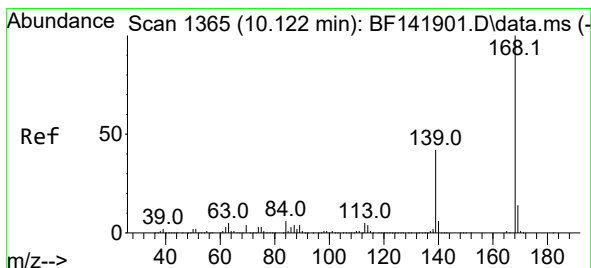
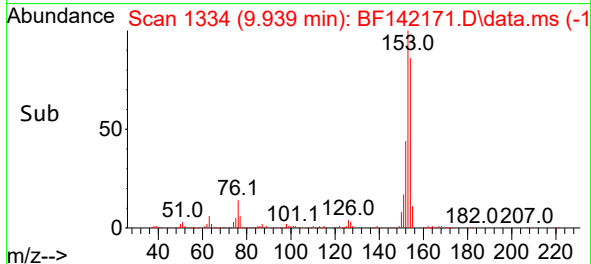
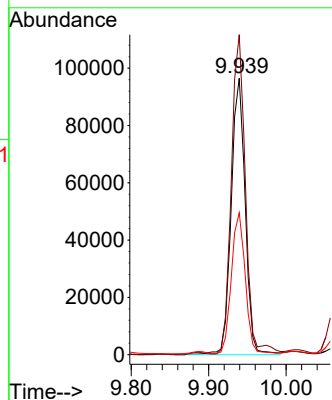
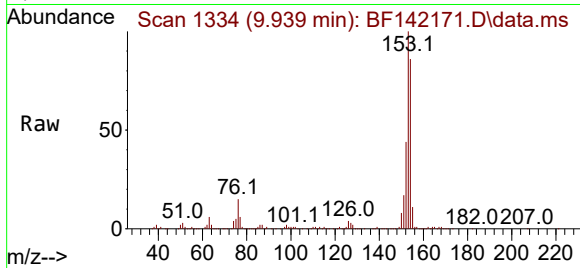




#52
Acenaphthene
Concen: 8.861 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

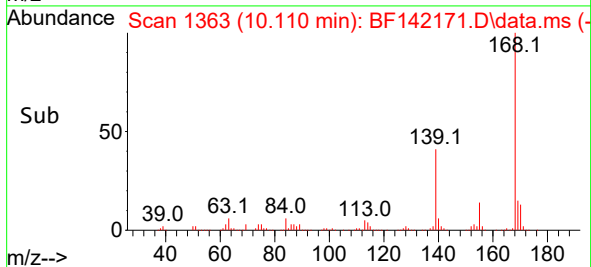
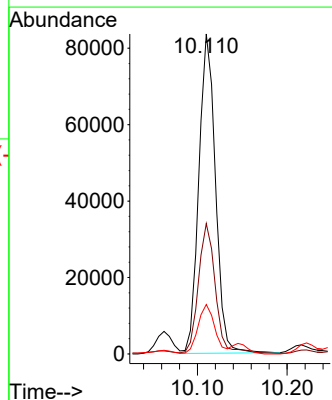
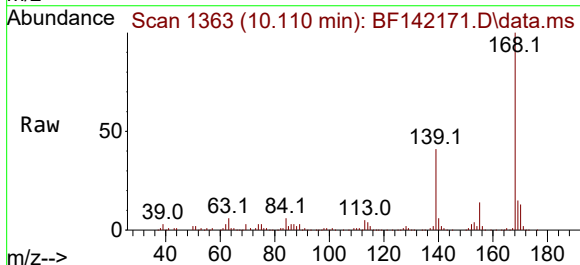
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

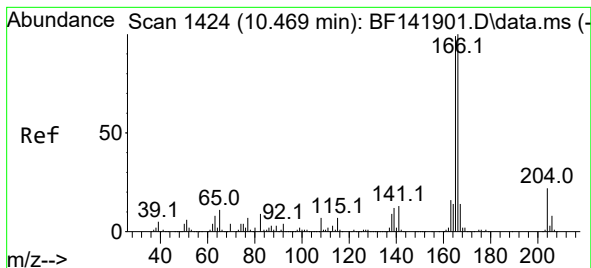
Tgt Ion:154 Resp: 121515
Ion Ratio Lower Upper
154 100
153 115.8 90.7 136.1
152 51.3 41.1 61.7



#55
Dibenzofuran
Concen: 5.480 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Tgt Ion:168 Resp: 107383
Ion Ratio Lower Upper
168 100
139 40.7 33.9 50.9
169 15.5 11.0 16.4





#58

Fluorene

Concen: 13.379 ng

RT: 10.451 min Scan# 1421

Delta R.T. -0.018 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2

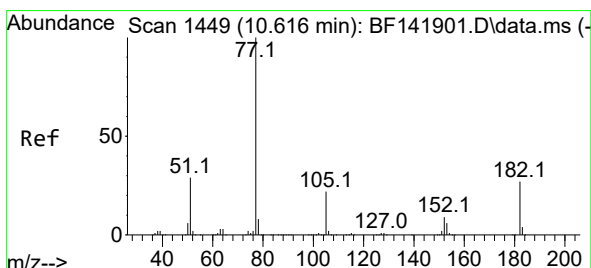
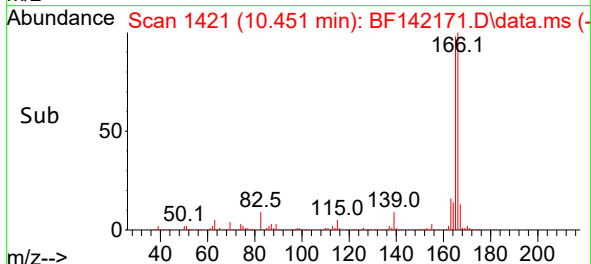
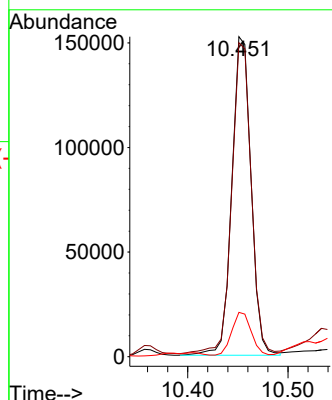
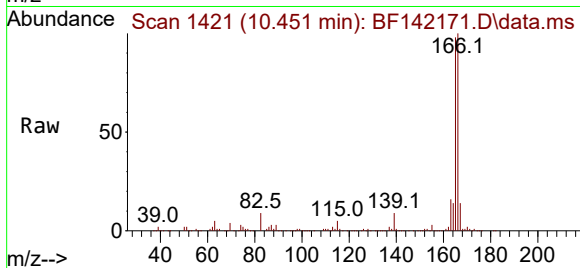
Tgt Ion:166 Resp: 202170

Ion Ratio Lower Upper

166 100

165 98.1 79.0 118.4

167 13.9 11.0 16.4



#63

Azobenzene

Concen: 3.257 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

Tgt Ion: 77 Resp: 49099

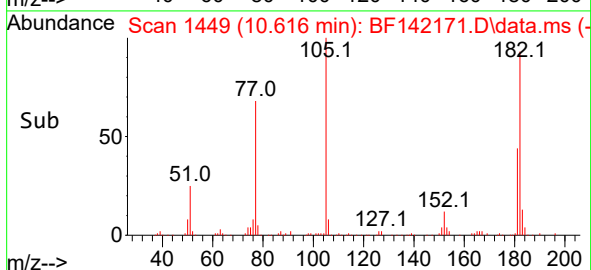
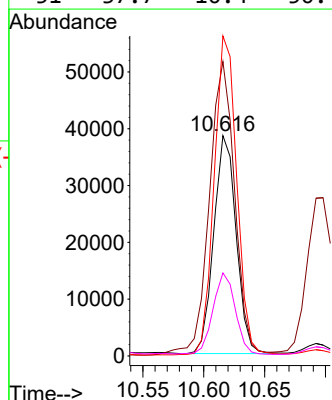
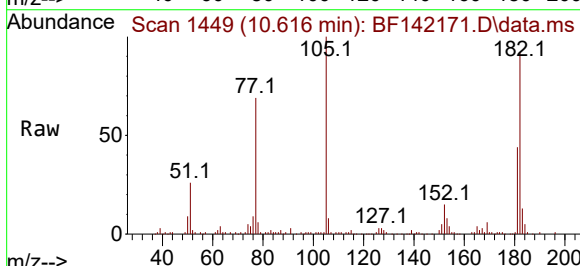
Ion Ratio Lower Upper

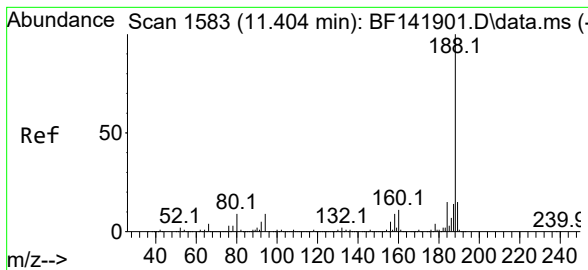
77 100

182 133.6 6.6 46.6#

105 145.3 1.3 41.3#

51 37.7 10.4 50.4

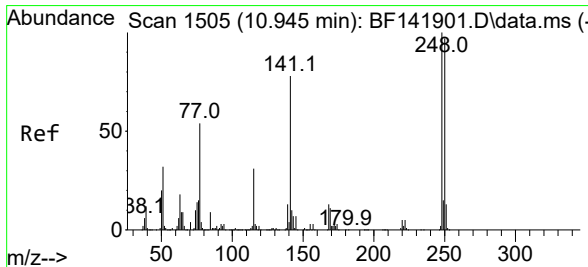
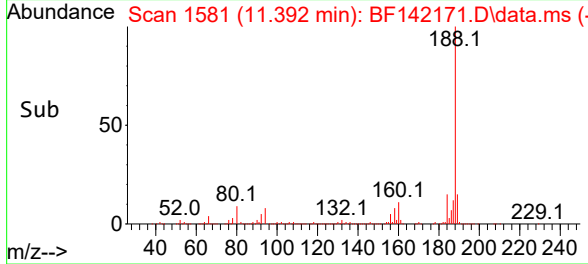
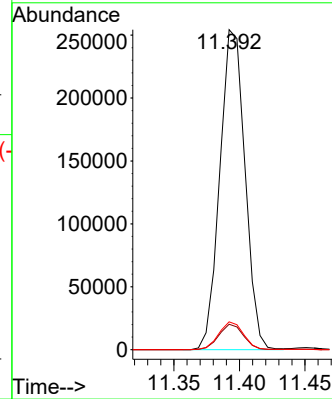
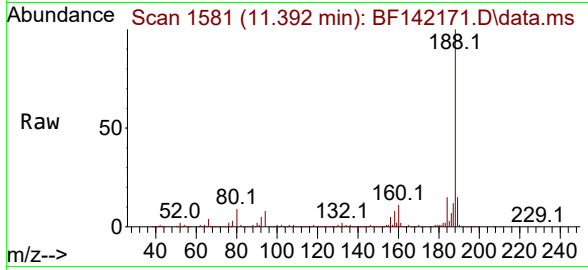




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

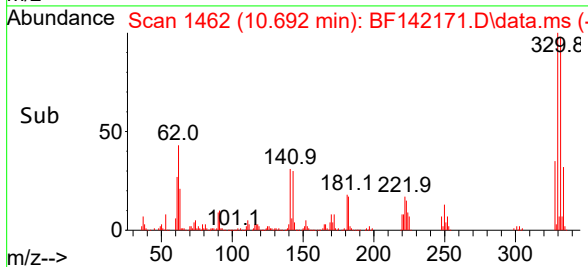
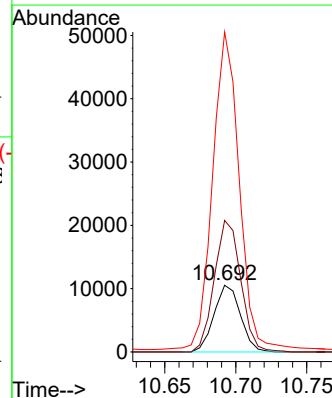
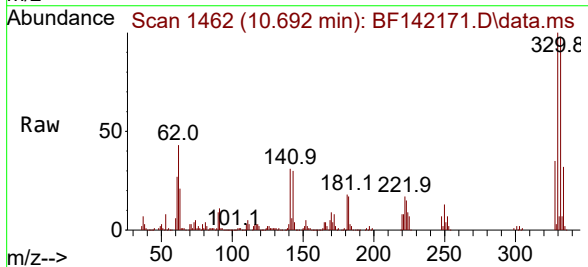
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

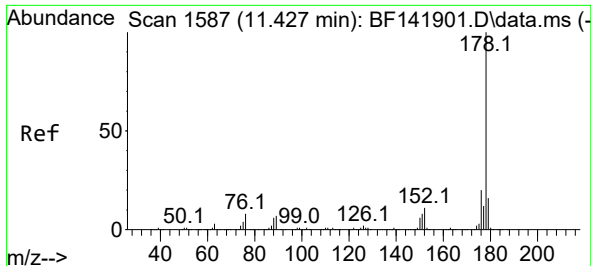
Tgt Ion:188 Resp: 339428
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.198 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Tgt Ion:248 Resp: 13631
Ion Ratio Lower Upper
248 100
250 196.9 77.8 116.8#
141 479.0 62.6 93.8#

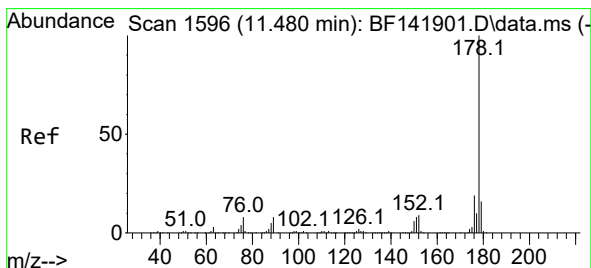
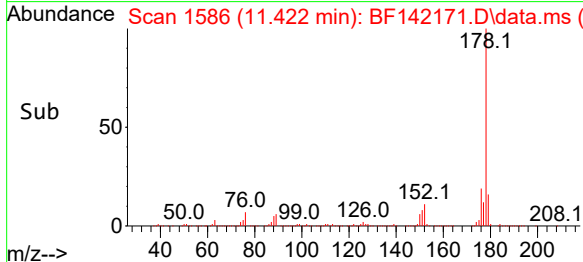
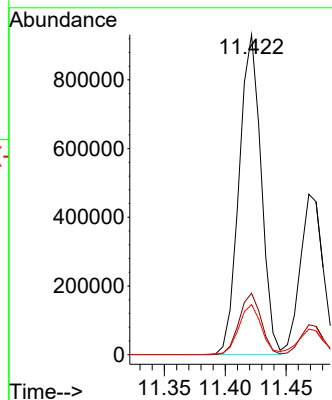
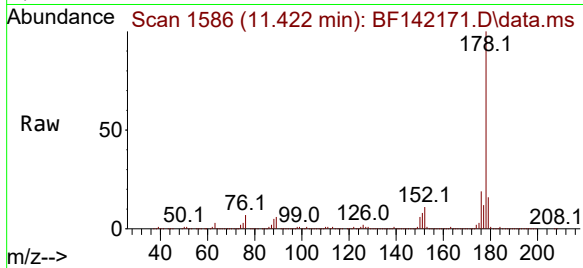




#71
Phenanthrene
Concen: 64.060 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

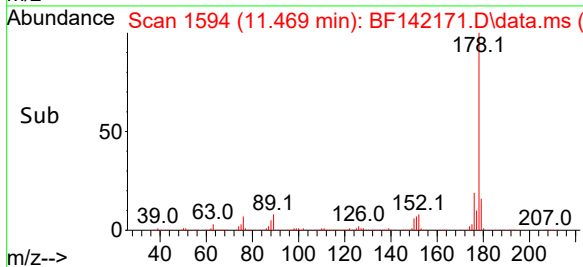
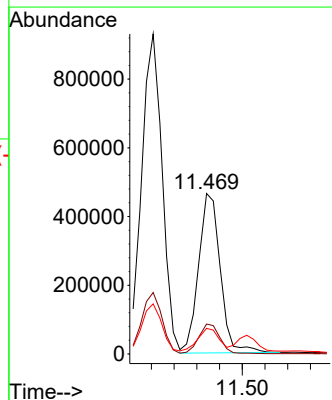
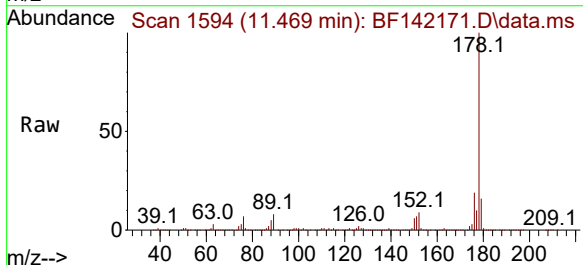
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2

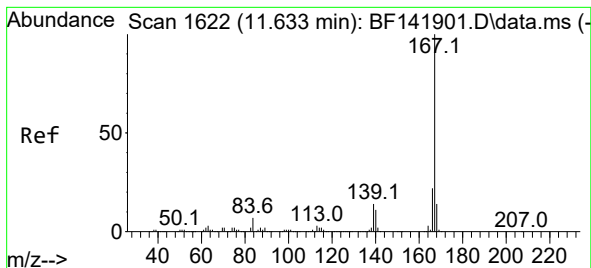
Tgt Ion:178 Resp: 1174454
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.6 12.6 19.0



#72
Anthracene
Concen: 33.465 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF142171.D
Acq: 28 Mar 2025 20:31

Tgt Ion:178 Resp: 615529
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 16.0 12.6 19.0





#73

Carbazole

Concen: 7.693 ng

RT: 11.622 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2

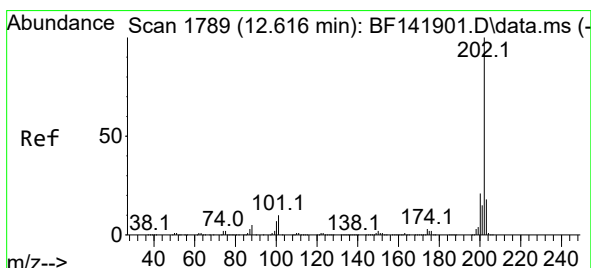
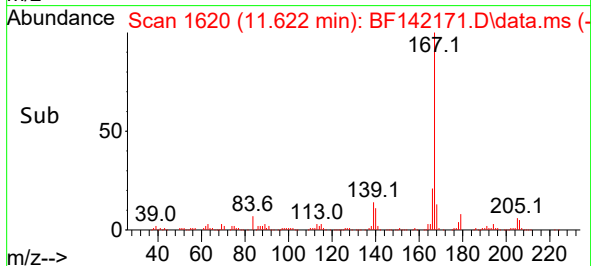
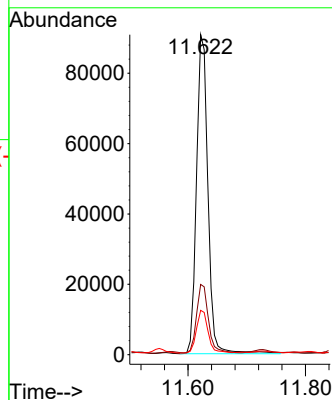
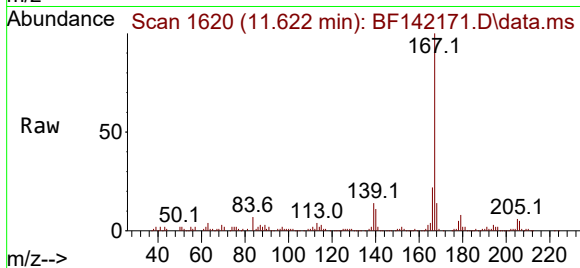
Tgt Ion:167 Resp: 122030

Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.2

139 13.8 11.0 16.6



#75

Fluoranthene

Concen: 129.013 ng

RT: 12.616 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

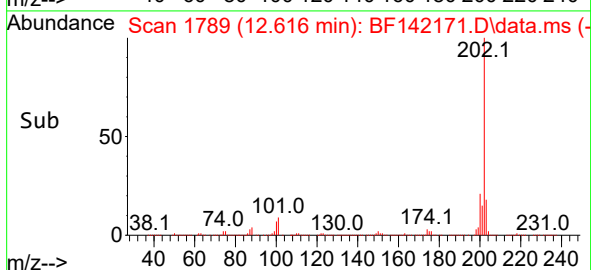
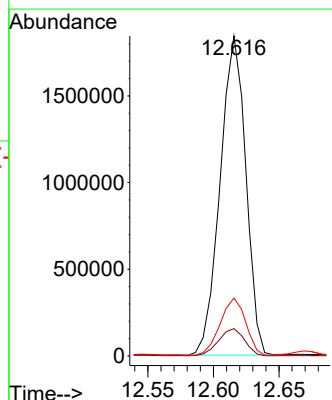
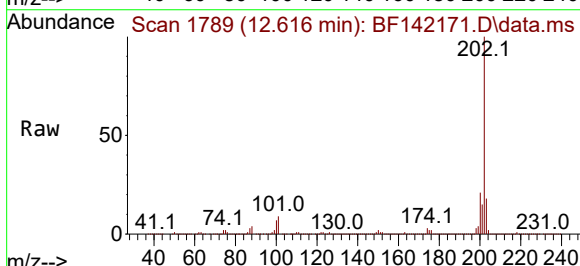
Tgt Ion:202 Resp: 2509001

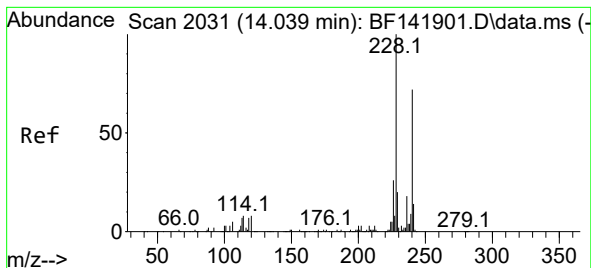
Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.7

203 18.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2

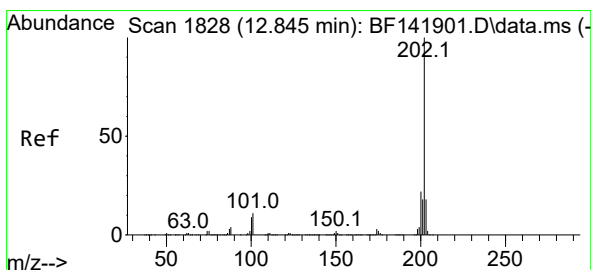
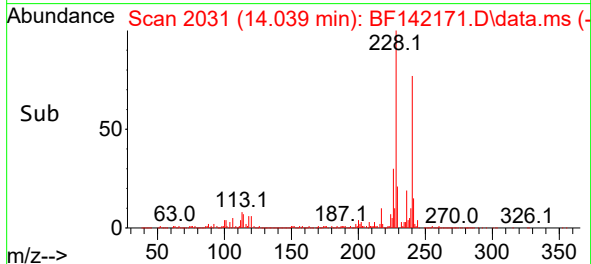
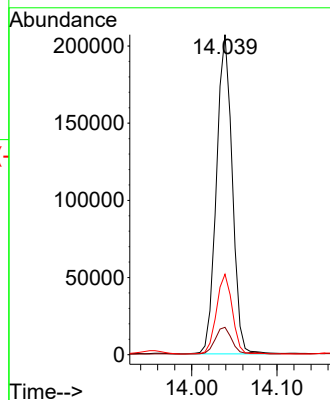
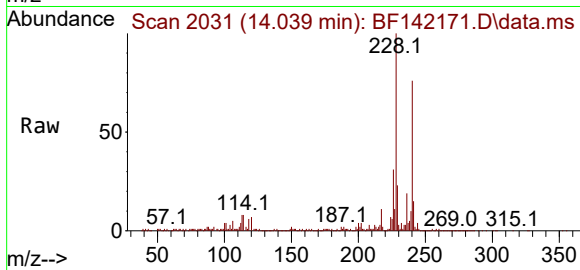
Tgt Ion:240 Resp: 266213

Ion Ratio Lower Upper

240 100

120 8.6 8.4 12.6

236 25.1 20.5 30.7



#78

Pyrene

Concen: 74.619 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

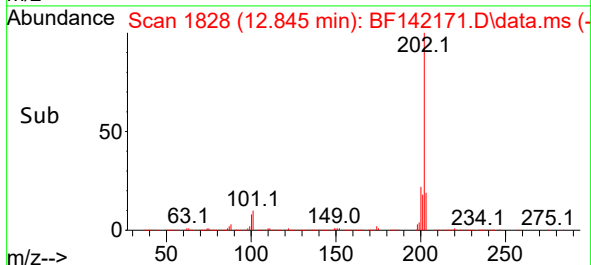
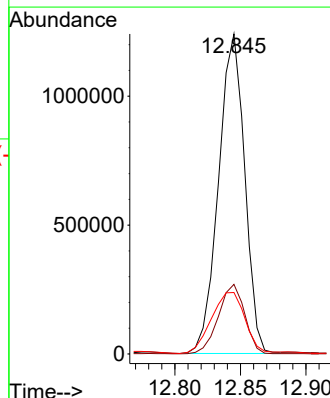
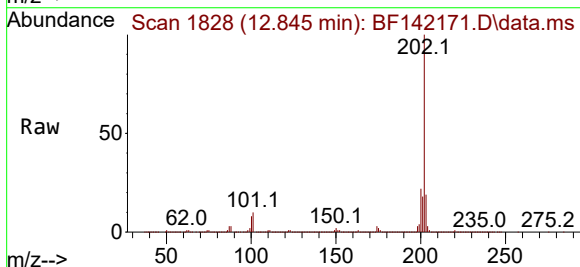
Tgt Ion:202 Resp: 1718301

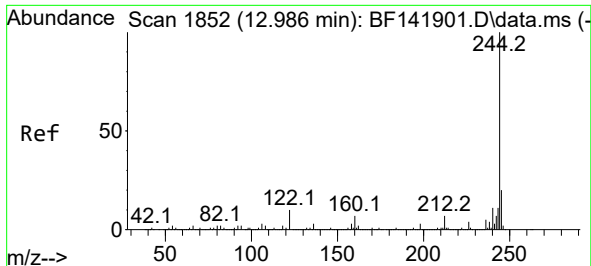
Ion Ratio Lower Upper

202 100

200 21.7 17.3 25.9

203 19.2 14.4 21.6

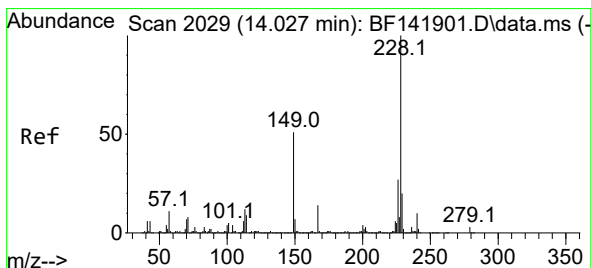
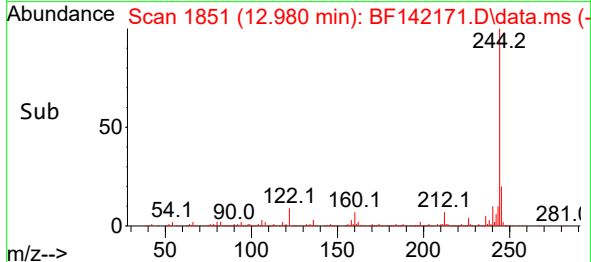
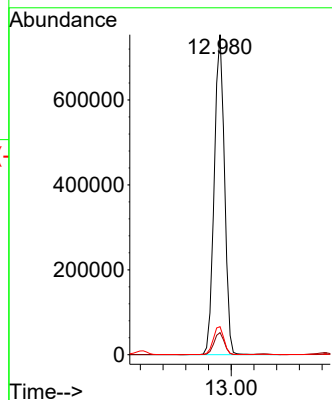
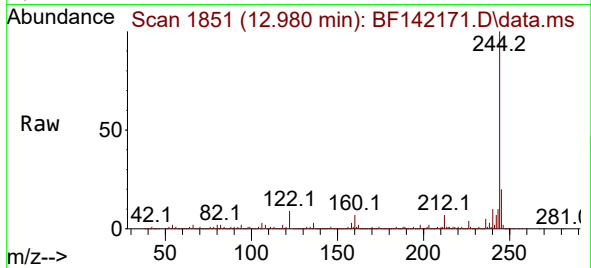




#79
 Terphenyl-d14
 Concen: 52.087 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF142171.D
 Acq: 28 Mar 2025 20:31

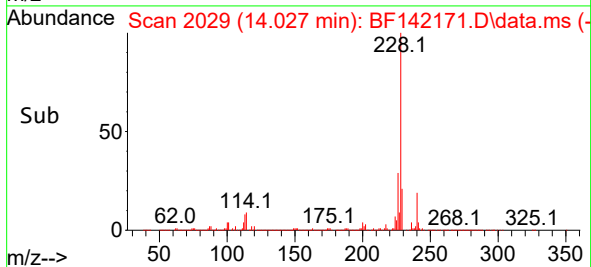
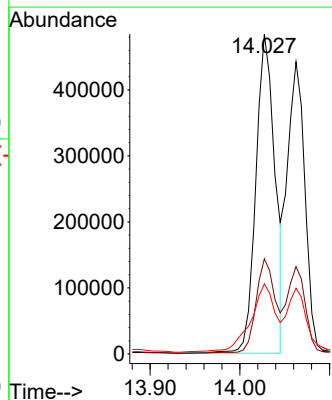
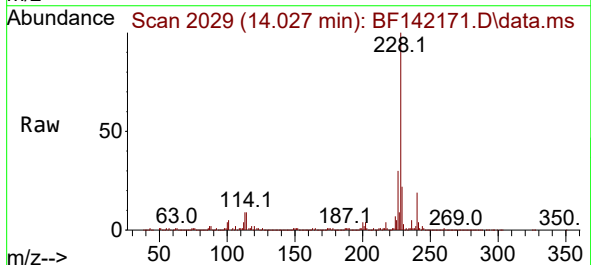
Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE-BIN2

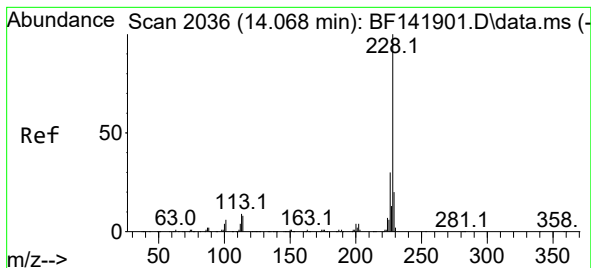
Tgt Ion:244 Resp: 937885
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.8 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 41.067 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF142171.D
 Acq: 28 Mar 2025 20:31

Tgt Ion:228 Resp: 717394
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.8 32.8
 229 21.9 16.0 24.0





#83

Chrysene

Concen: 37.414 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2

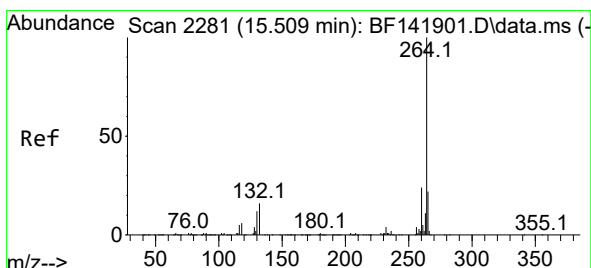
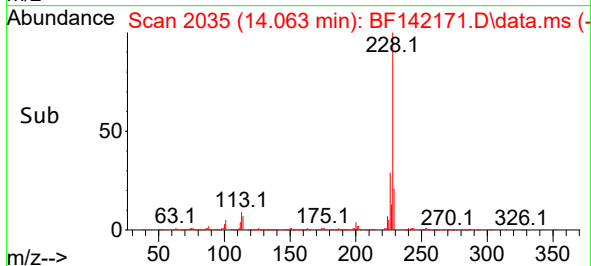
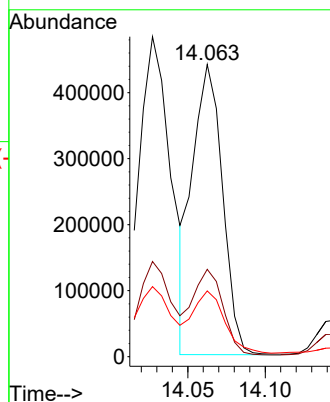
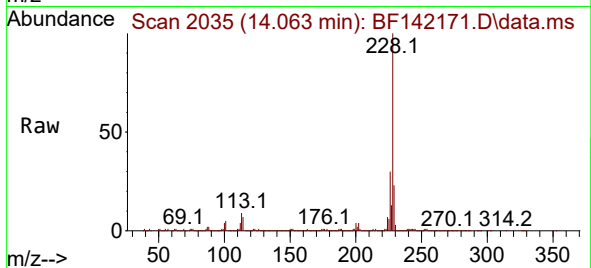
Tgt Ion:228 Resp: 592451

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 22.5 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

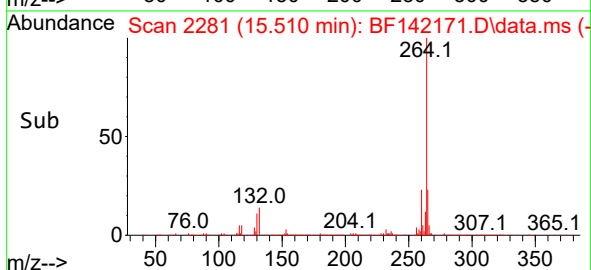
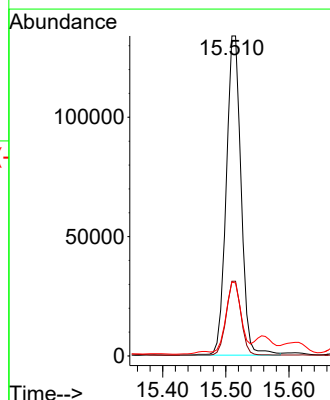
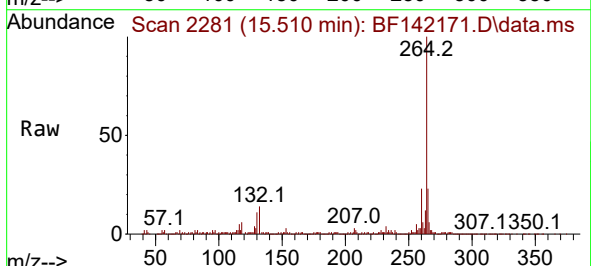
Tgt Ion:264 Resp: 218359

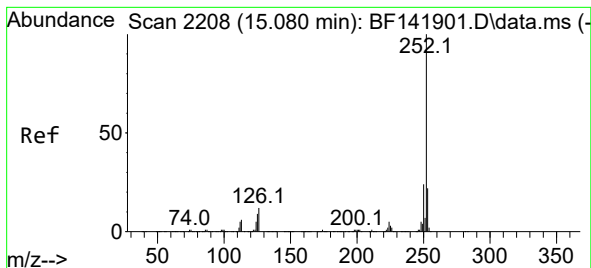
Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 23.1 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 50.468 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2

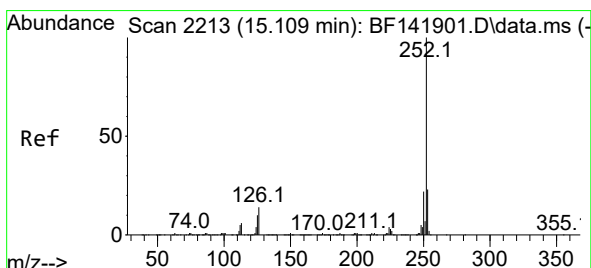
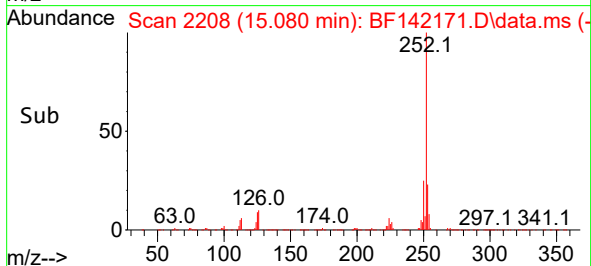
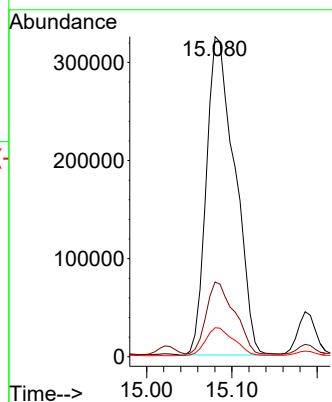
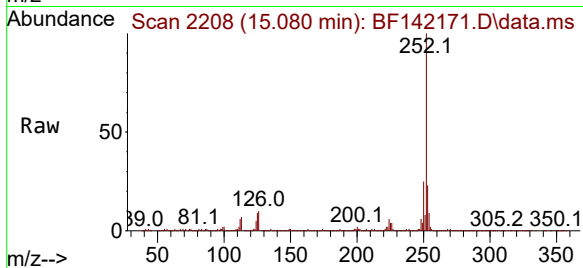
Tgt Ion:252 Resp: 755280

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 9.1 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 58.974 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.029 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

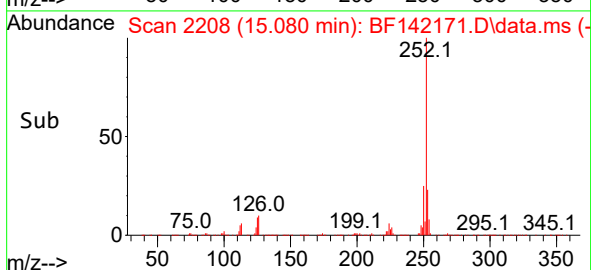
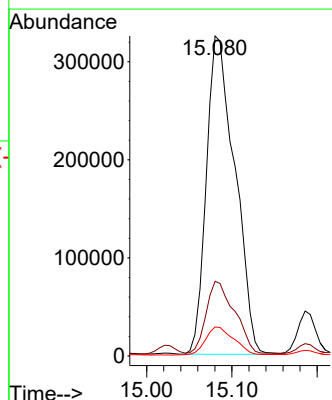
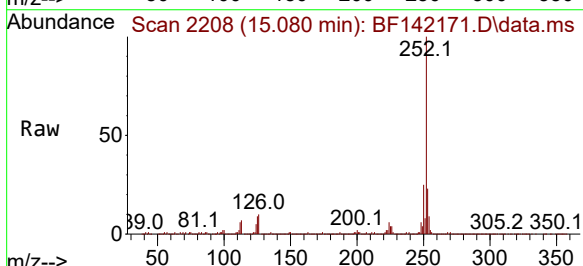
Tgt Ion:252 Resp: 755280

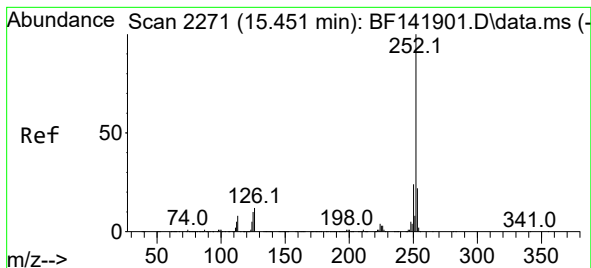
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 9.1 7.2 10.8





#90

Benzo(a)pyrene

Concen: 24.097 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2

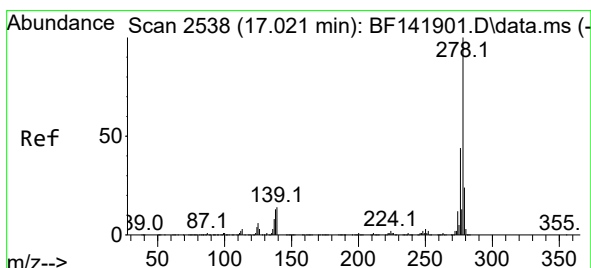
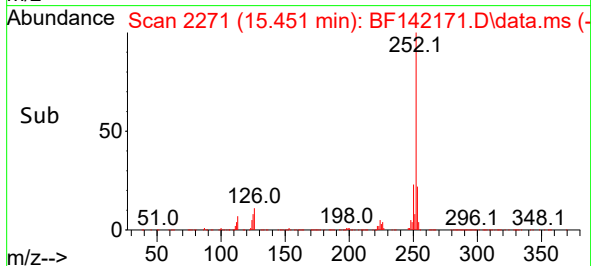
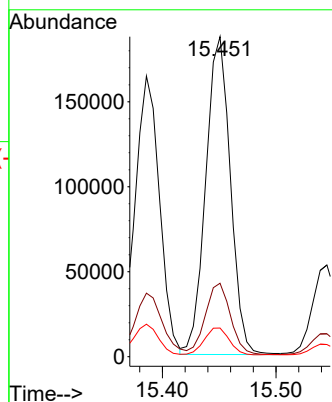
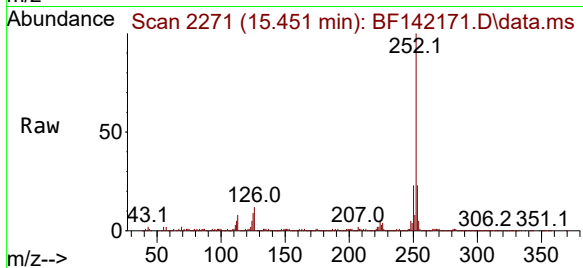
Tgt Ion:252 Resp: 282175

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 9.0 7.8 11.8



#91

Dibenzo(a,h)anthracene

Concen: 3.346 ng

RT: 17.004 min Scan# 2535

Delta R.T. -0.018 min

Lab File: BF142171.D

Acq: 28 Mar 2025 20:31

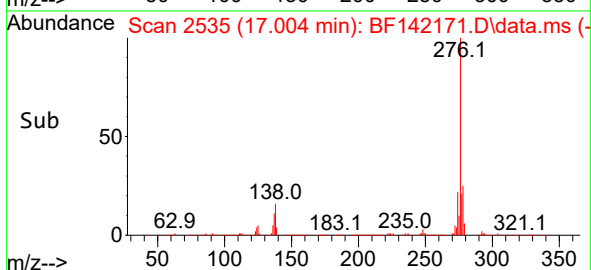
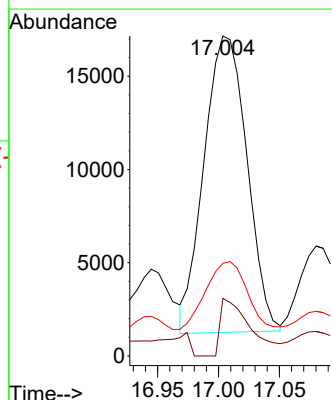
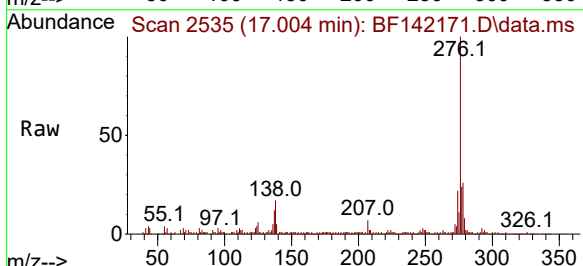
Tgt Ion:278 Resp: 38997

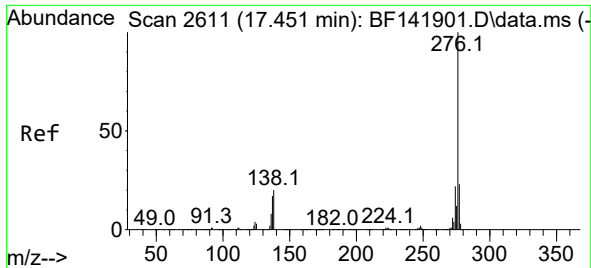
Ion Ratio Lower Upper

278 100

139 18.0 11.4 17.2#

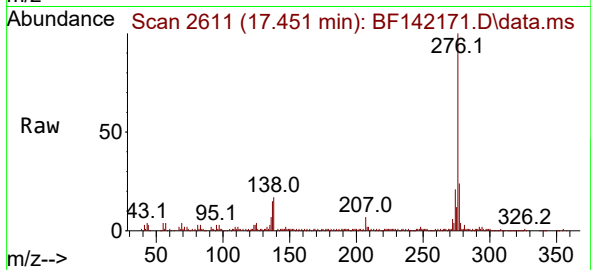
279 28.9 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 12.112 ng
 RT: 17.451 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF142171.D
 Acq: 28 Mar 2025 20:31

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE-BIN2



Tgt Ion:276 Resp: 139499
 Ion Ratio Lower Upper
 276 100
 277 23.7 18.7 28.1
 138 16.9 15.8 23.8

