

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142180.D
 Acq On : 31 Mar 2025 14:59
 Operator : RC/JU
 Sample : Q1560-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE-BIN2DL

Quant Time: Mar 31 15:31:08 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)

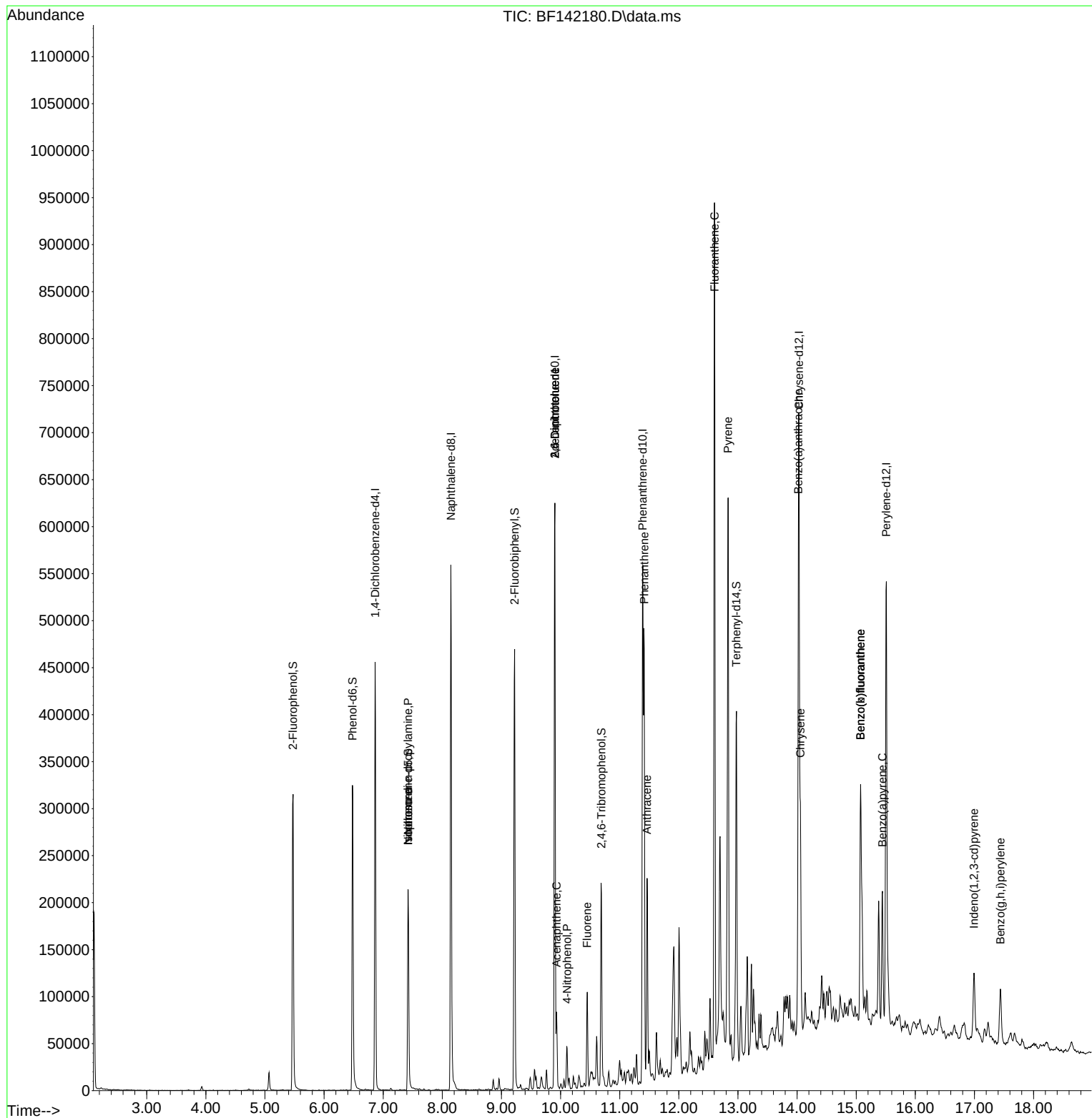
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	100474	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	374244	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	191619	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	289308	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	237435	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	291484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	134490	22.340	ng	-0.02
7) Phenol-d6	6.481	99	167669	21.875	ng	-0.02
23) Nitrobenzene-d5	7.422	82	102485	15.411	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	38349	15.775	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	216994	17.222	ng	-0.02
79) Terphenyl-d14	12.974	244	176108	10.966	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	13871	2.816	ng	# 79
25) Isophorone	7.422	82	97225	8.271	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	24940	8.927	ng	# 23
52) Acenaphthene	9.933	154	24747	2.187	ng	99
56) 4-Nitrophenol	10.110	139	9190	4.300	ng	# 5
57) 2,4-Dinitrotoluene	9.904	165	24940	6.835	ng	# 24
58) Fluorene	10.451	166	40697	3.264	ng	98
71) Phenanthrene	11.416	178	257264	16.463	ng	98
72) Anthracene	11.463	178	127600	8.139	ng	99
75) Fluoranthene	12.604	202	510032	30.769	ng	99
78) Pyrene	12.833	202	343678	16.733	ng	98
81) Benzo(a)anthracene	14.021	228	160269	10.286	ng	97
83) Chrysene	14.057	228	127030	8.994	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	53250	2.824	ng	# 93
88) Benzo(b)fluoranthene	15.074	252	224438	11.235	ng	99
89) Benzo(k)fluoranthene	15.074	252	224438	13.128	ng	100
90) Benzo(a)pyrene	15.445	252	88968	5.692	ng	98
92) Benzo(g,h,i)perylene	17.439	276	51889	3.375	ng	96

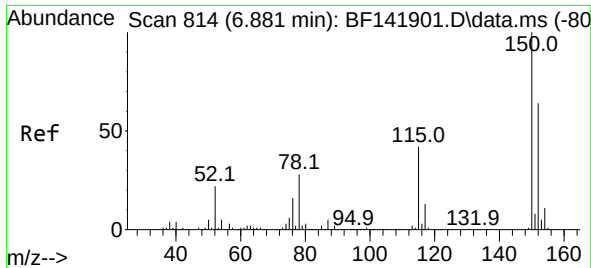
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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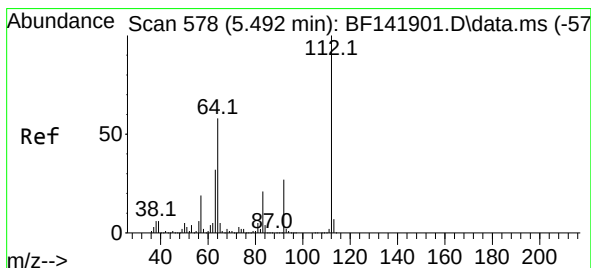
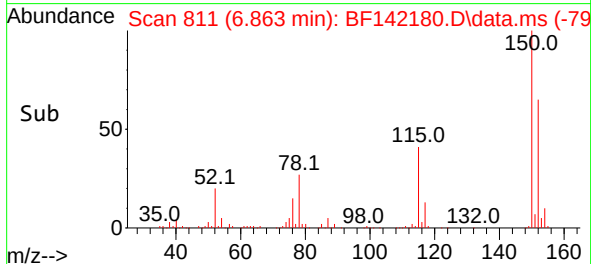
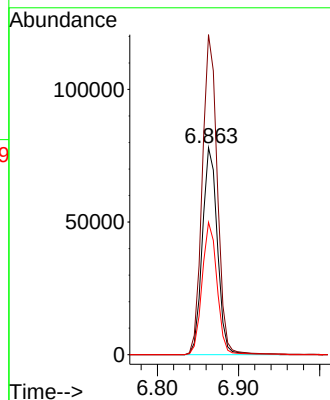
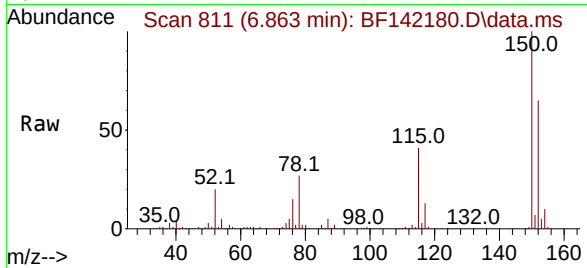




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

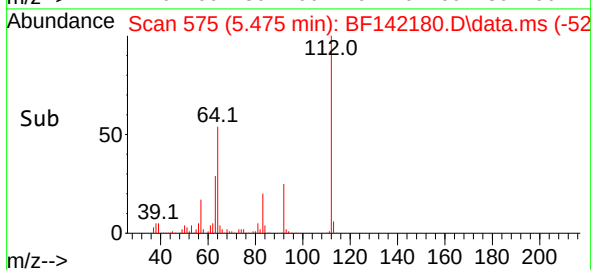
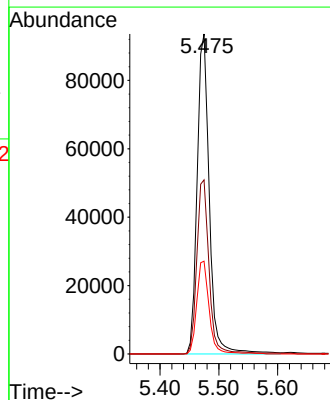
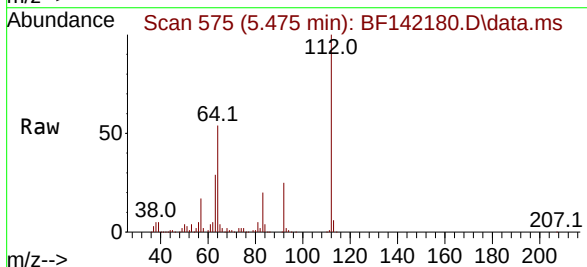
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL

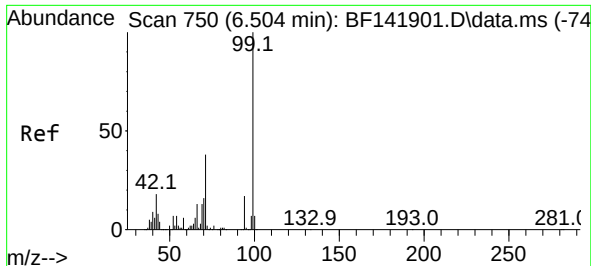
Tgt Ion:152 Resp: 100474
Ion Ratio Lower Upper
152 100
150 154.5 127.4 191.2
115 63.9 51.9 77.9



#5
2-Fluorophenol
Concen: 22.340 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:112 Resp: 134490
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 29.0 25.4 38.2

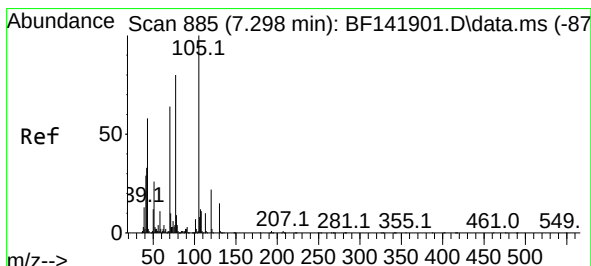
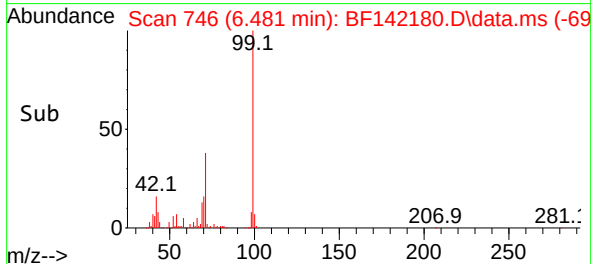
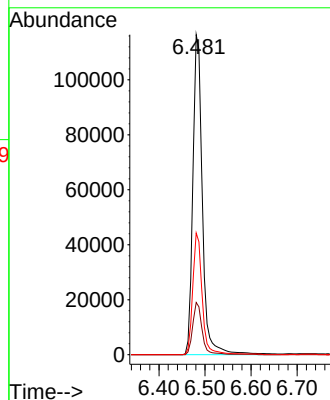
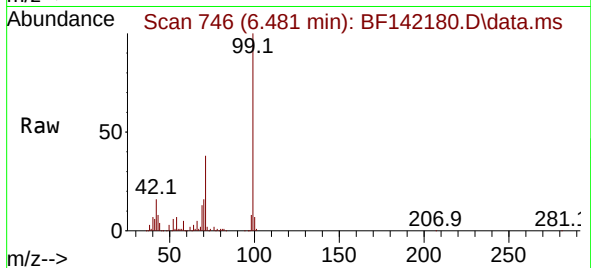




#7
Phenol-d6
Concen: 21.875 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.023 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

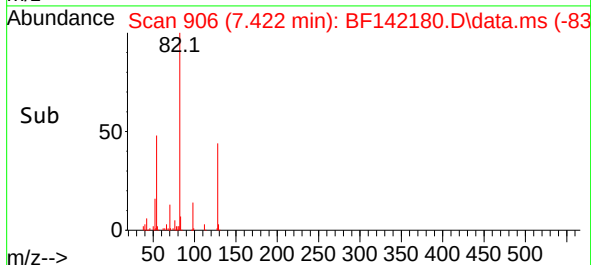
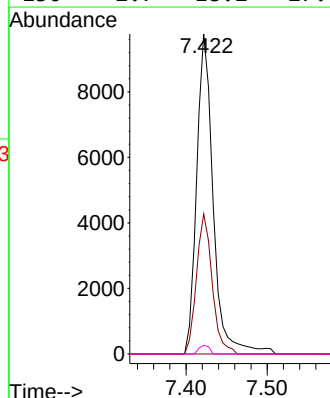
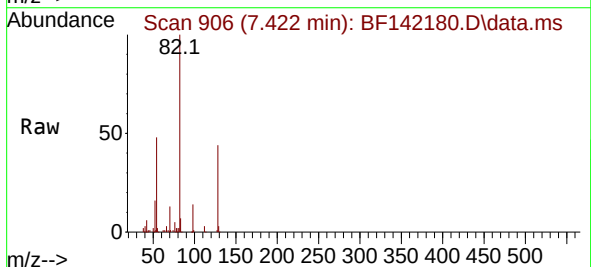
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL

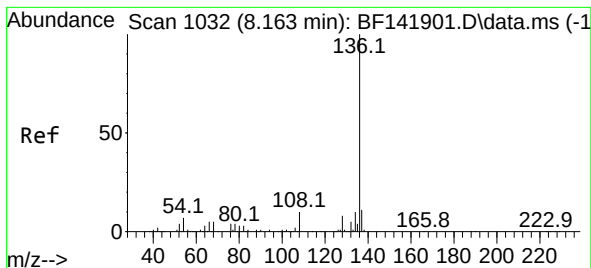
Tgt Ion: 99 Resp: 167669
Ion Ratio Lower Upper
99 100
42 16.3 14.6 21.8
71 38.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.816 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.124 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion: 70 Resp: 13871
Ion Ratio Lower Upper
70 100
42 43.7 41.4 62.0
101 0.0 8.2 12.2#
130 2.7 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL

Tgt Ion:136 Resp: 374244

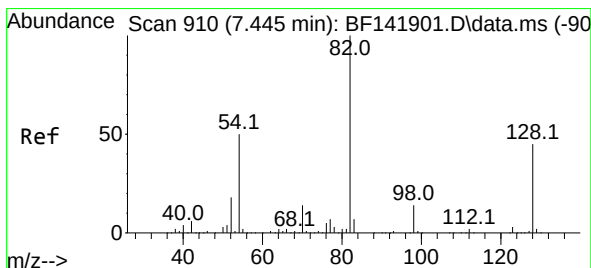
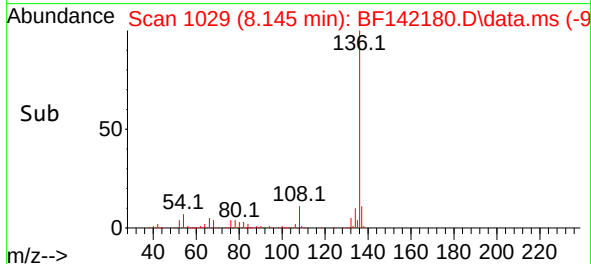
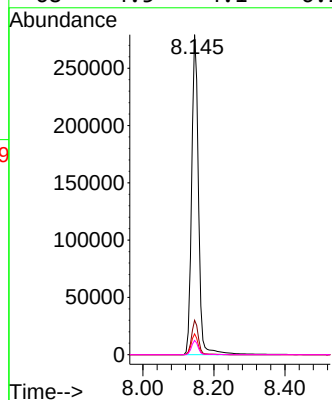
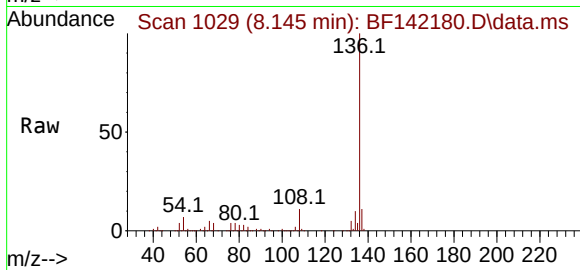
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.5 5.8 8.8

68 4.5 4.1 6.1



#23

Nitrobenzene-d5

Concen: 15.411 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.023 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

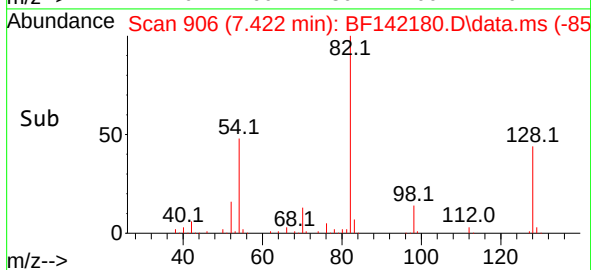
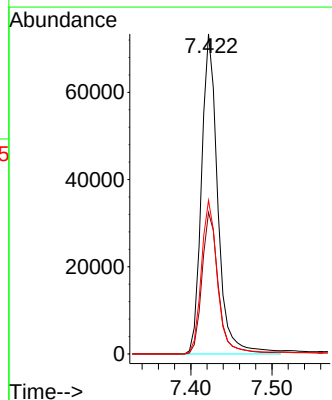
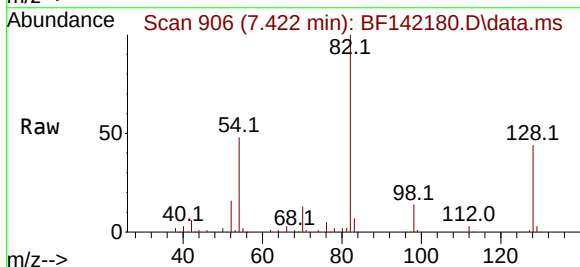
Tgt Ion: 82 Resp: 102485

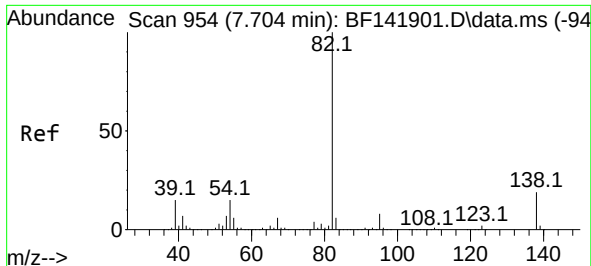
Ion Ratio Lower Upper

82 100

128 44.2 36.0 54.0

54 48.0 39.6 59.4

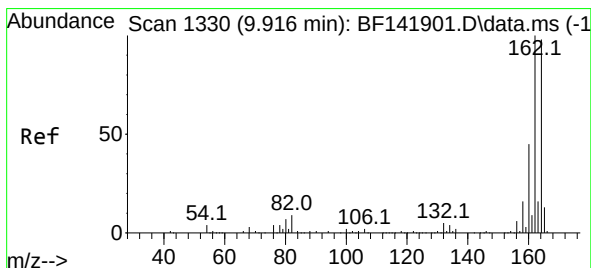
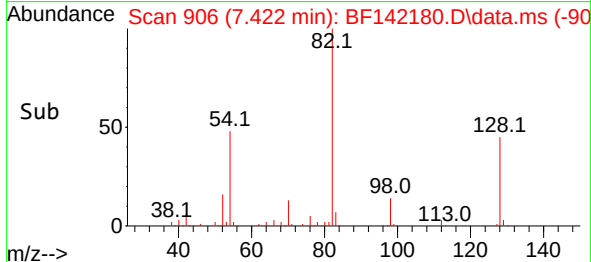
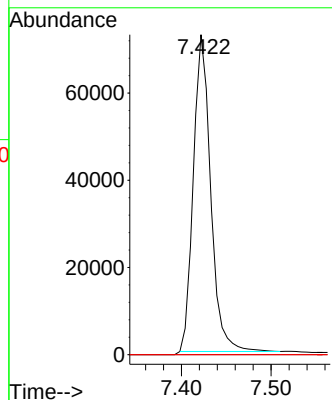
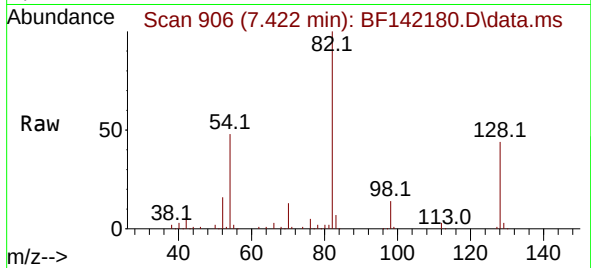




#25
Isophorone
Concen: 8.271 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.282 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

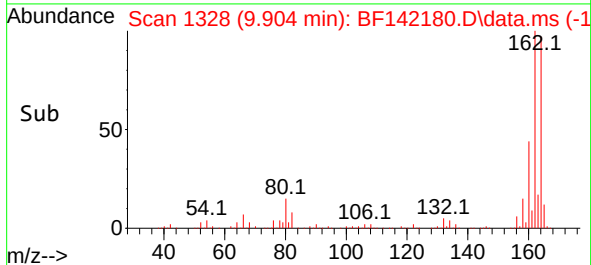
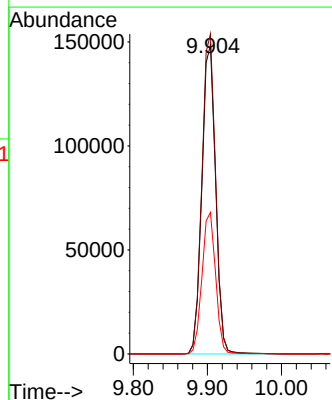
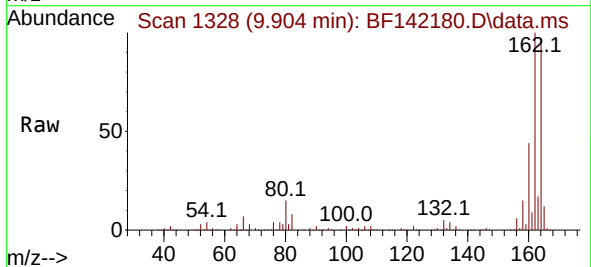
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL

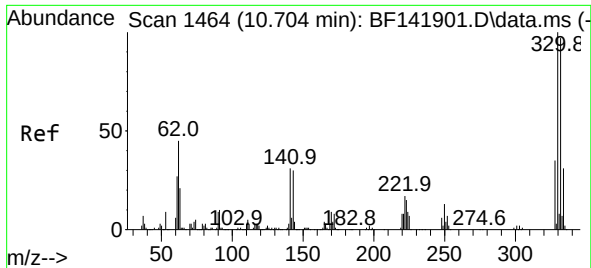
Tgt Ion: 82 Resp: 97225
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:164 Resp: 191619
Ion Ratio Lower Upper
164 100
162 103.5 81.8 122.6
160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 15.775 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL

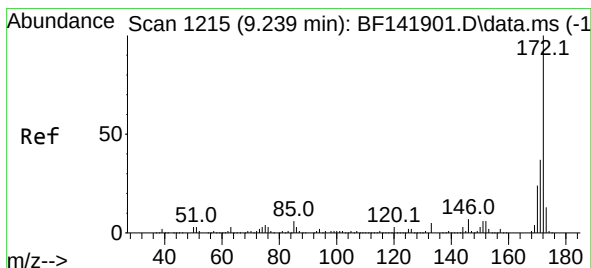
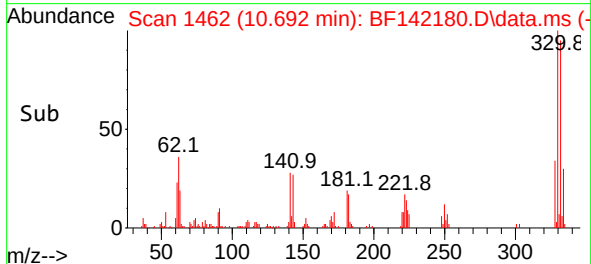
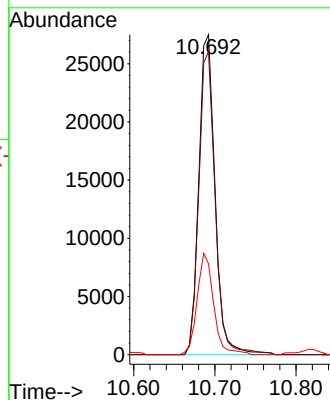
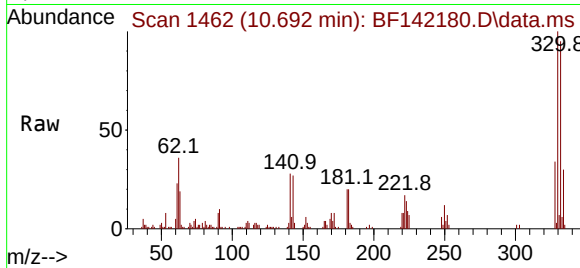
Tgt Ion:330 Resp: 38349

Ion Ratio Lower Upper

330 100

332 95.0 77.6 116.4

141 32.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 17.222 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

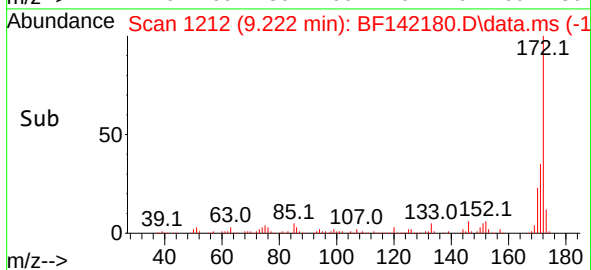
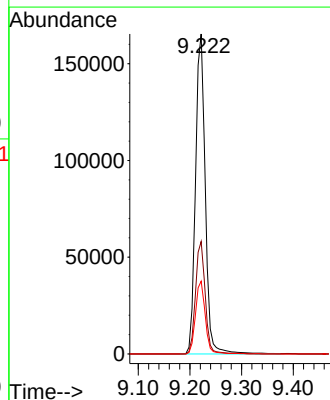
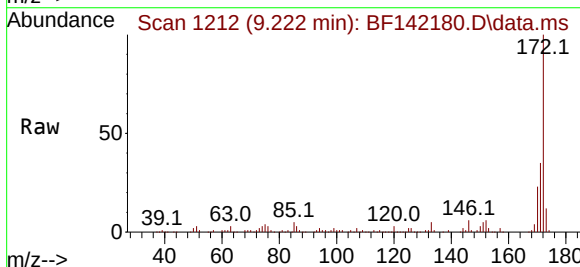
Tgt Ion:172 Resp: 216994

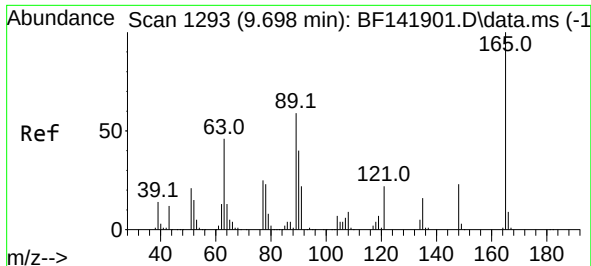
Ion Ratio Lower Upper

172 100

171 35.1 29.3 43.9

170 22.8 19.4 29.0

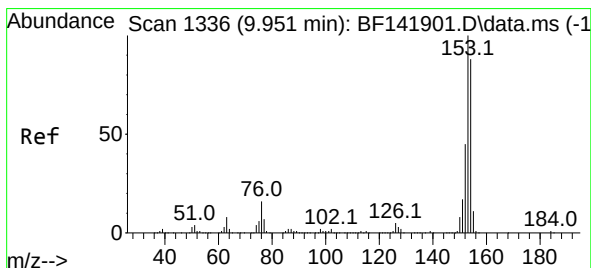
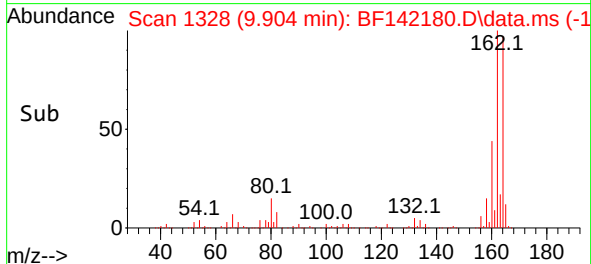
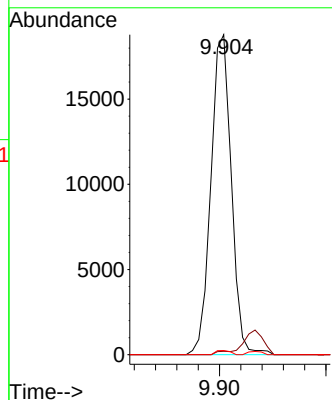
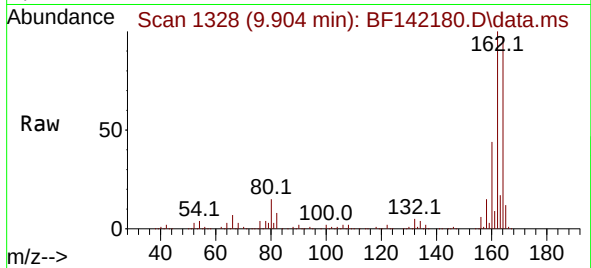




#51
2,6-Dinitrotoluene
Concen: 8.927 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

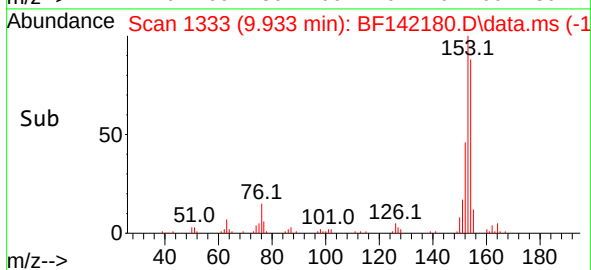
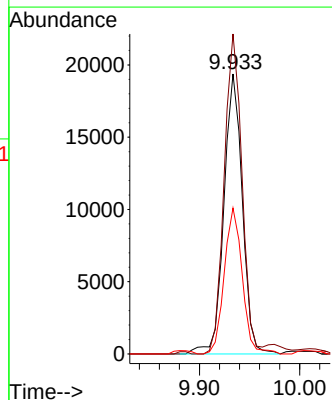
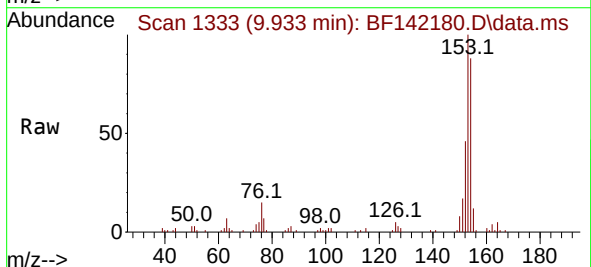
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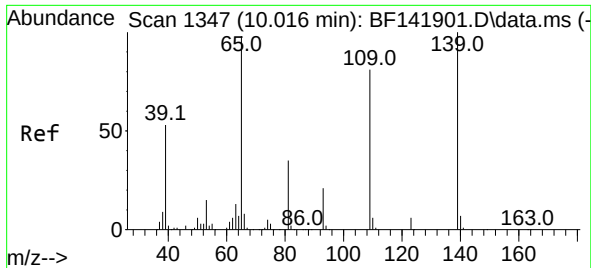
Tgt Ion:165 Resp: 24940
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.3 47.4 71.2#



#52
Acenaphthene
Concen: 2.187 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:154 Resp: 24747
Ion Ratio Lower Upper
154 100
153 114.3 90.7 136.1
152 52.1 41.1 61.7

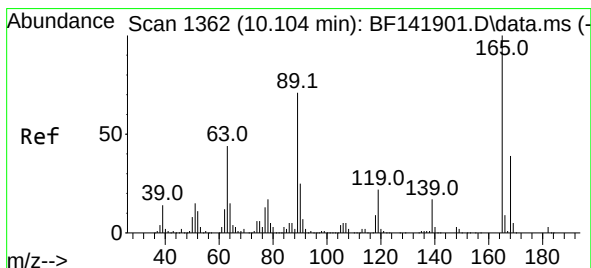
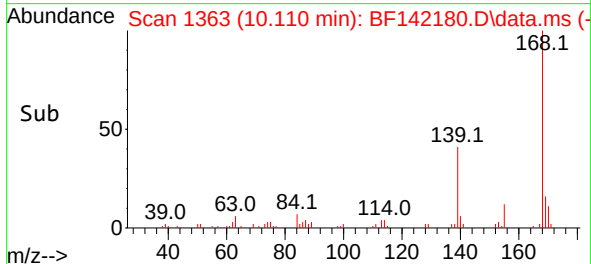
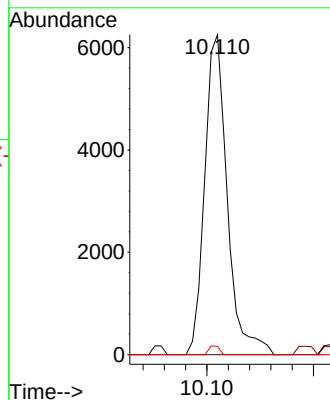
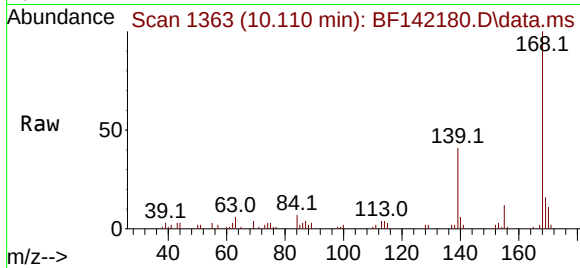




#56
4-Nitrophenol
Concen: 4.300 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

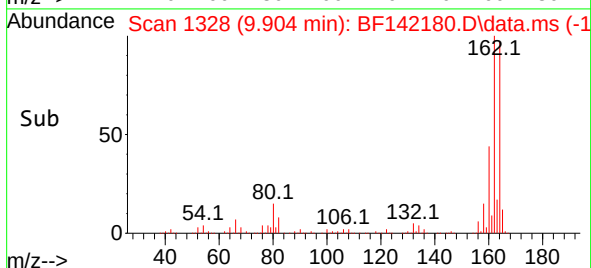
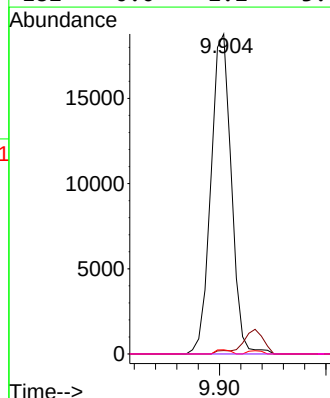
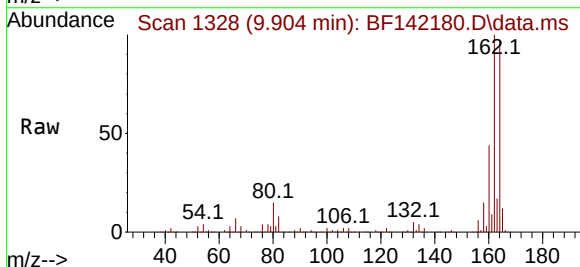
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL

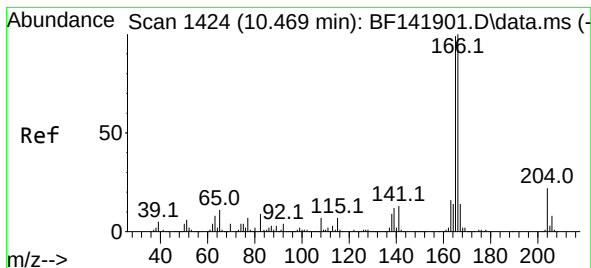
Tgt Ion:139 Resp: 9190
Ion Ratio Lower Upper
139 100
109 0.0 61.6 101.6#
65 2.6 79.4 119.4#



#57
2,4-Dinitrotoluene
Concen: 6.835 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:165 Resp: 24940
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#





#58

Fluorene

Concen: 3.264 ng

RT: 10.451 min Scan# 14

Delta R.T. -0.018 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL

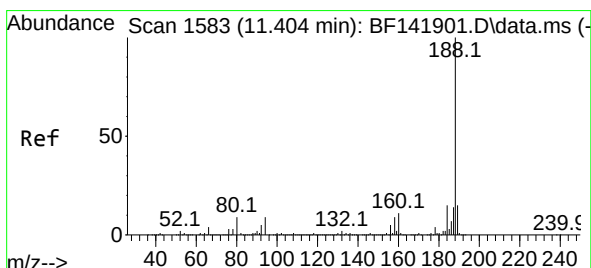
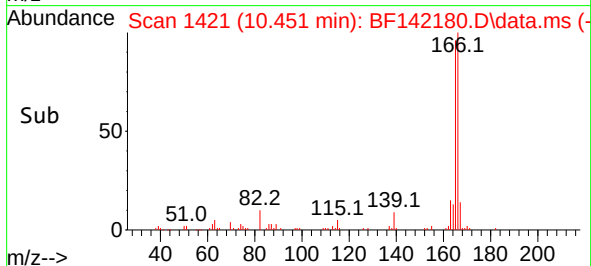
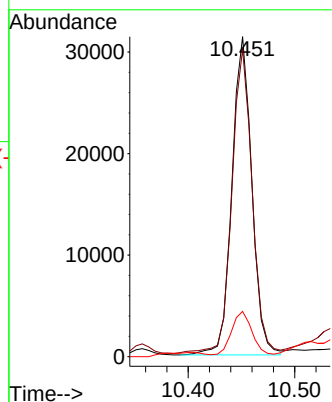
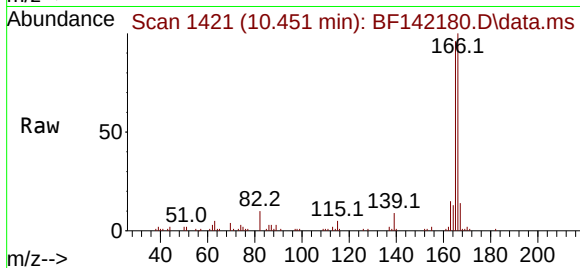
Tgt Ion:166 Resp: 40697

Ion Ratio Lower Upper

166 100

165 96.1 79.0 118.4

167 14.2 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

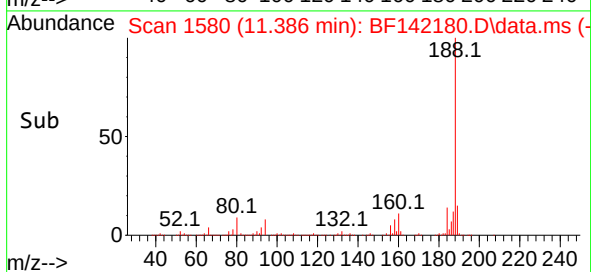
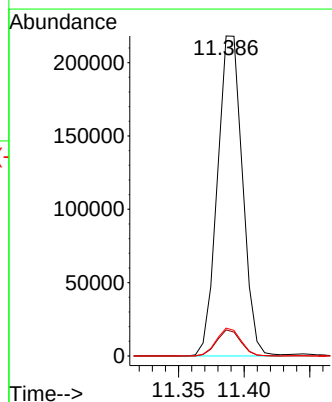
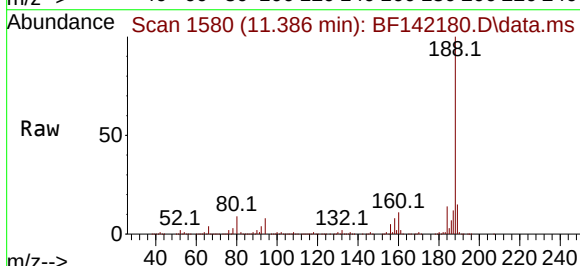
Tgt Ion:188 Resp: 289308

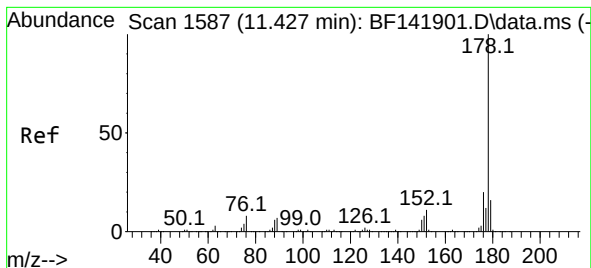
Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.7 7.6 11.4





#71

Phenanthrene

Concen: 16.463 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL

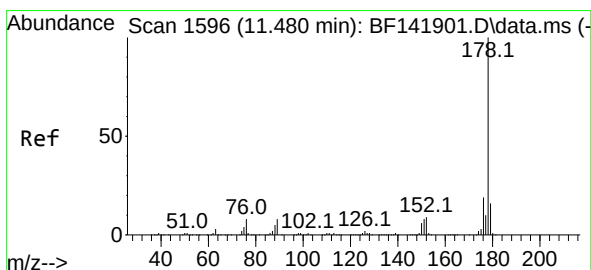
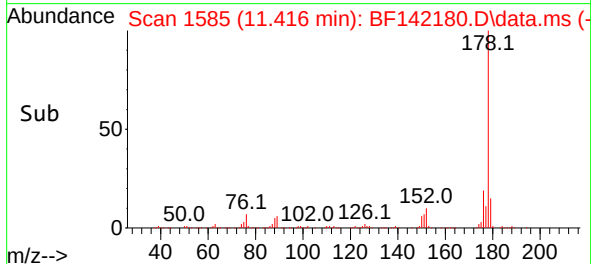
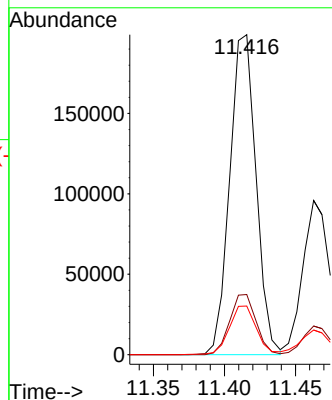
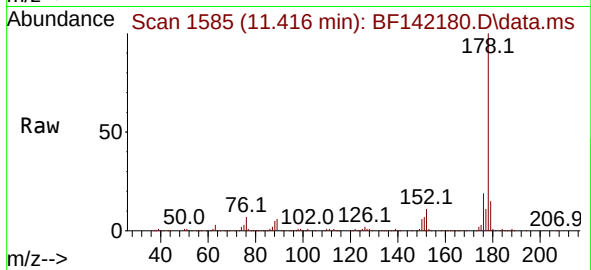
Tgt Ion:178 Resp: 257264

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

179 15.2 12.6 19.0



#72

Anthracene

Concen: 8.139 ng

RT: 11.463 min Scan# 1593

Delta R.T. -0.018 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

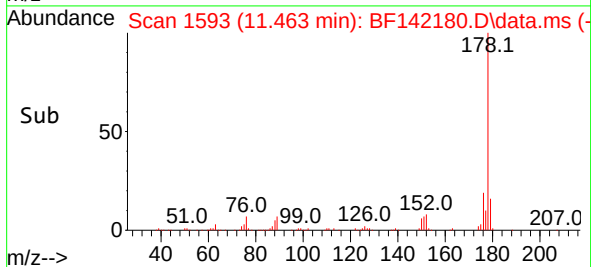
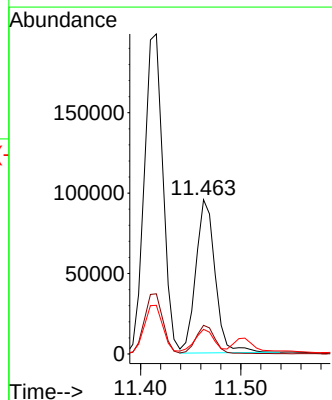
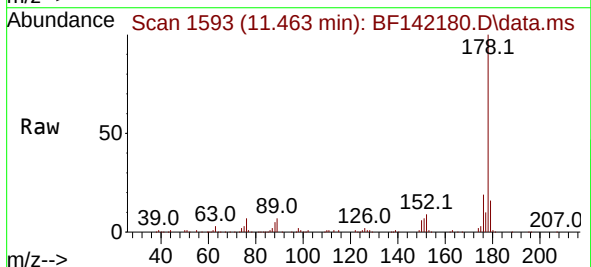
Tgt Ion:178 Resp: 127600

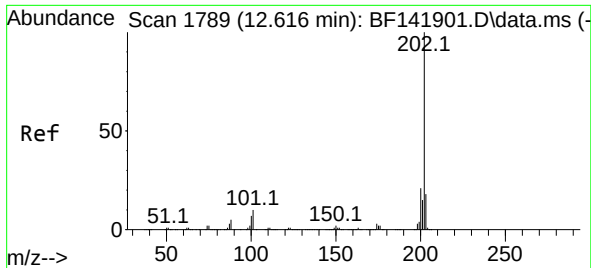
Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 16.0 12.6 19.0

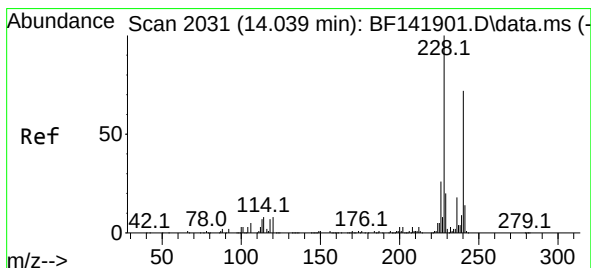
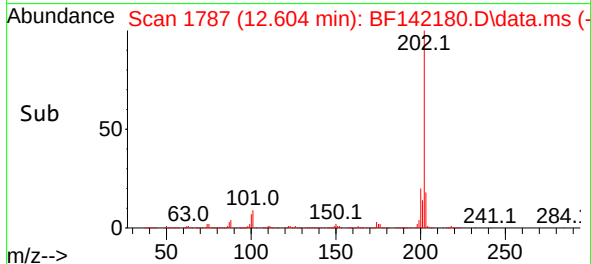
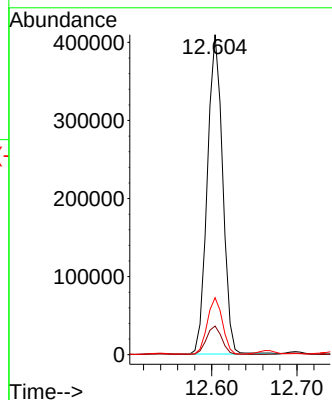
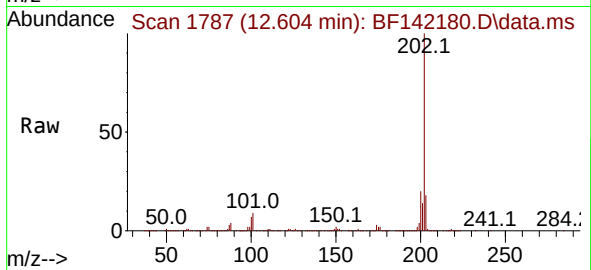




#75
Fluoranthene
Concen: 30.769 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

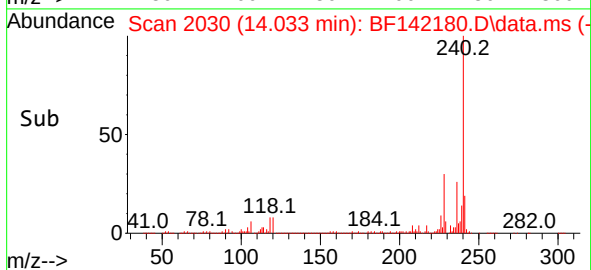
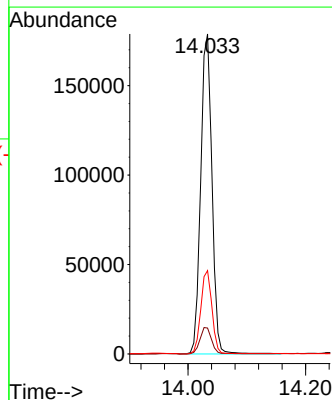
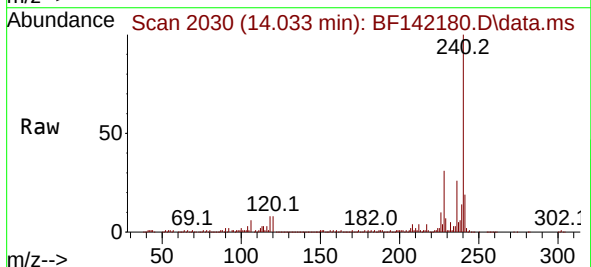
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL

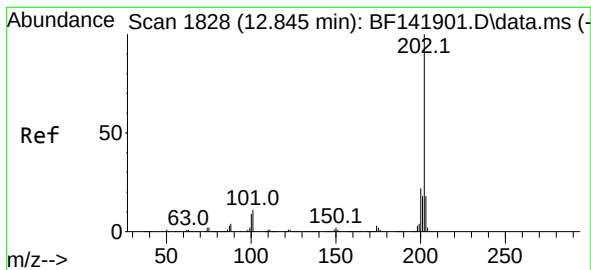
Tgt Ion:202 Resp: 510032
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:240 Resp: 237435
Ion Ratio Lower Upper
240 100
120 8.1 8.4 12.6#
236 26.0 20.5 30.7





#78

Pyrene

Concen: 16.733 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL

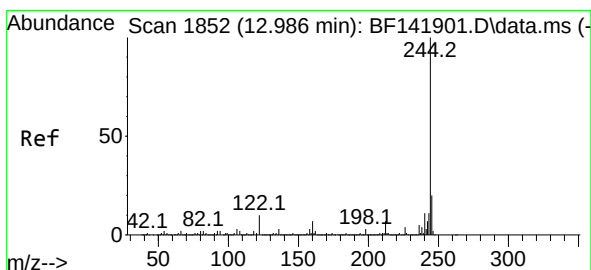
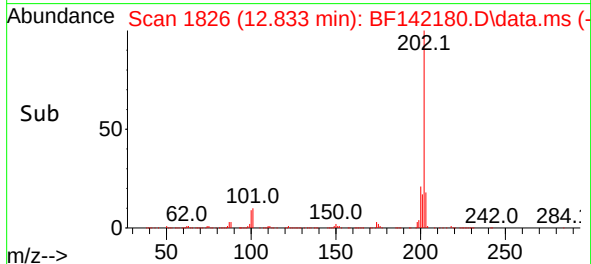
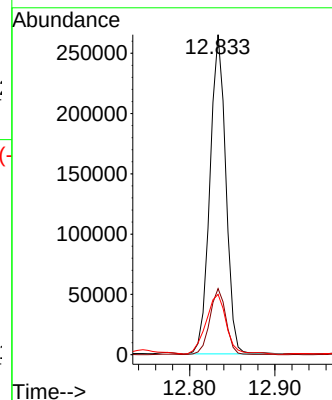
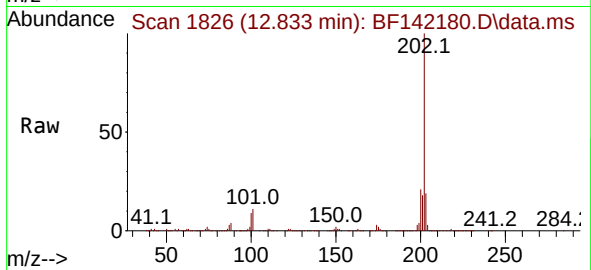
Tgt Ion:202 Resp: 343678

Ion Ratio Lower Upper

202 100

200 20.6 17.3 25.9

203 18.9 14.4 21.6



#79

Terphenyl-d14

Concen: 10.966 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

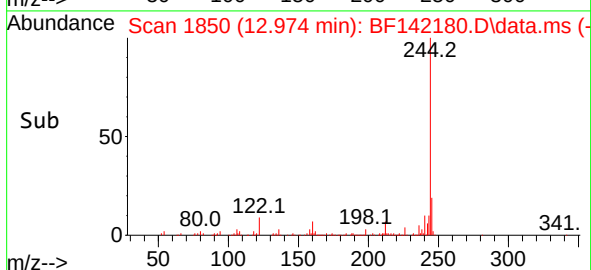
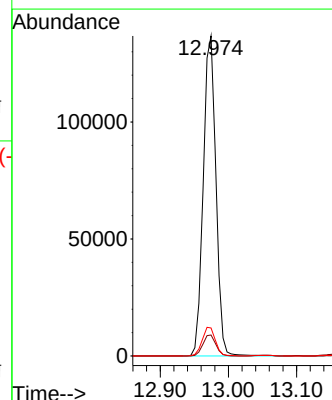
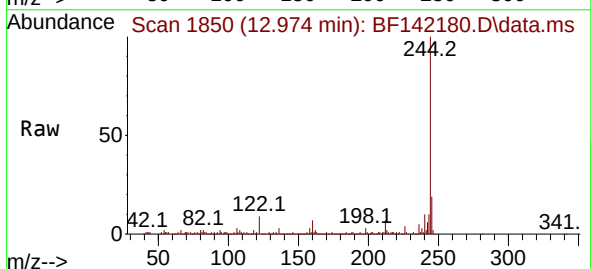
Tgt Ion:244 Resp: 176108

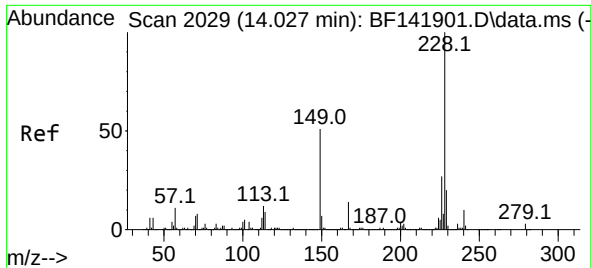
Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

122 8.7 7.7 11.5

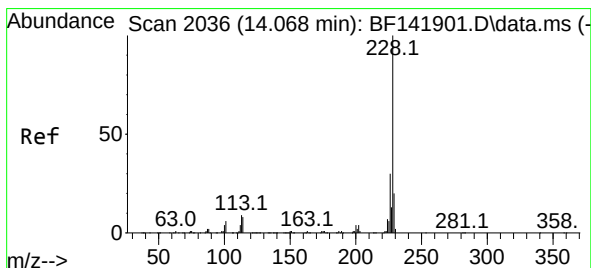
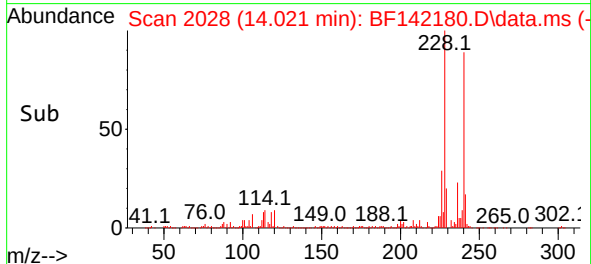
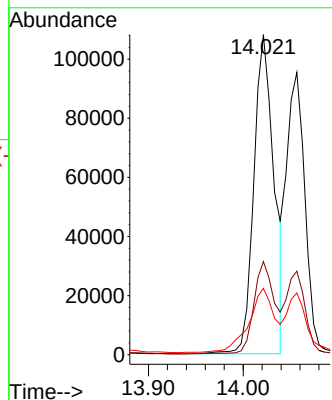
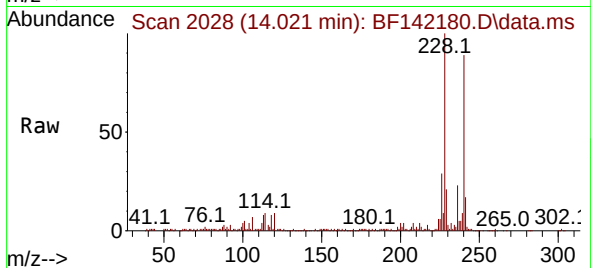




#81
Benzo(a)anthracene
Concen: 10.286 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

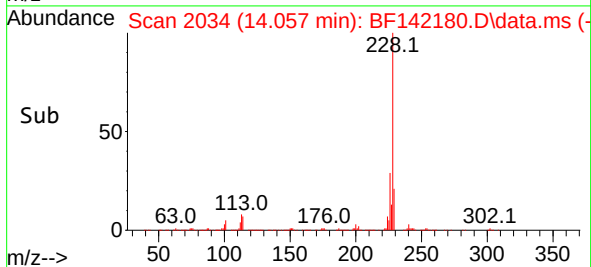
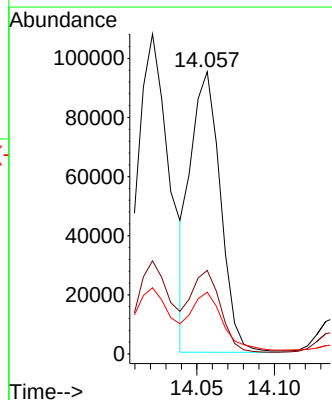
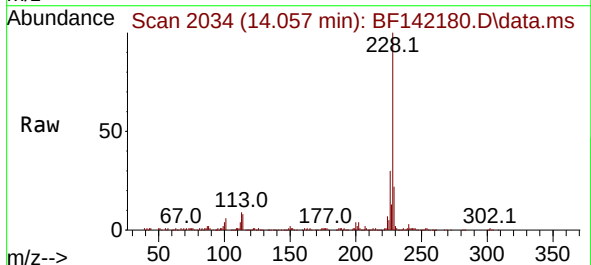
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL

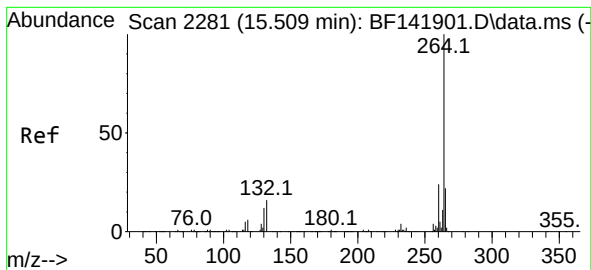
Tgt Ion:228 Resp: 160269
Ion Ratio Lower Upper
228 100
226 29.1 21.8 32.8
229 20.7 16.0 24.0



#83
Chrysene
Concen: 8.994 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:228 Resp: 127030
Ion Ratio Lower Upper
228 100
226 29.6 24.1 36.1
229 21.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL

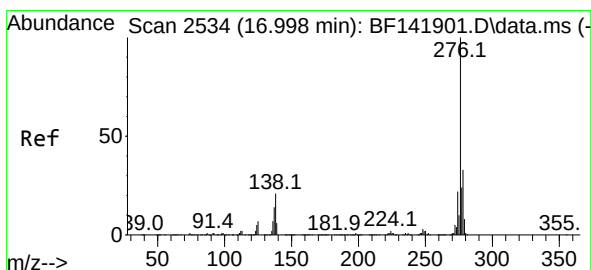
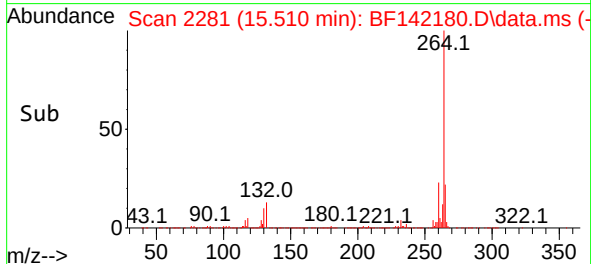
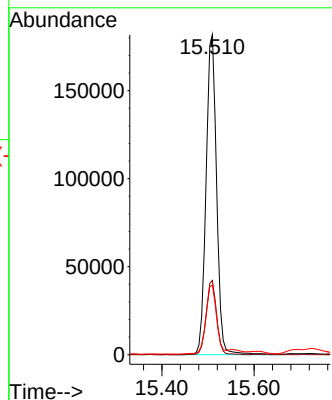
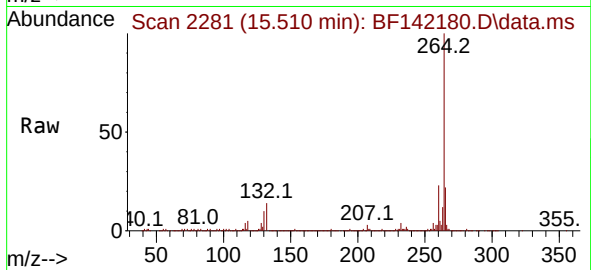
Tgt Ion:264 Resp: 291484

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.8 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.824 ng

RT: 16.992 min Scan# 2533

Delta R.T. -0.006 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

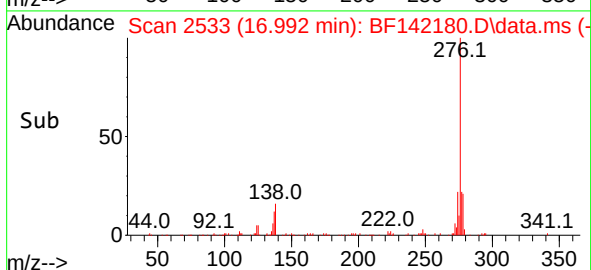
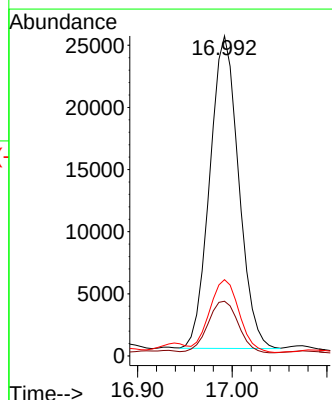
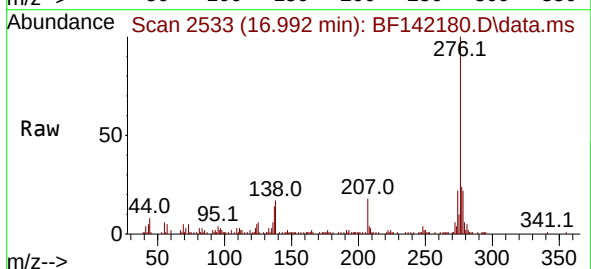
Tgt Ion:276 Resp: 53250

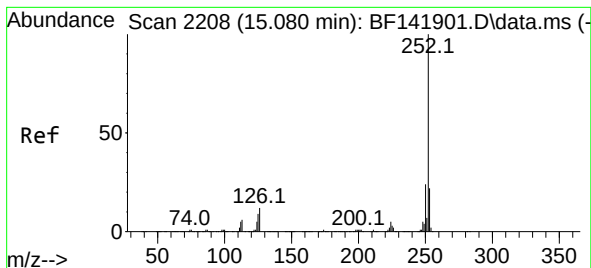
Ion Ratio Lower Upper

276 100

138 17.4 18.4 27.6#

277 23.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 11.235 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL

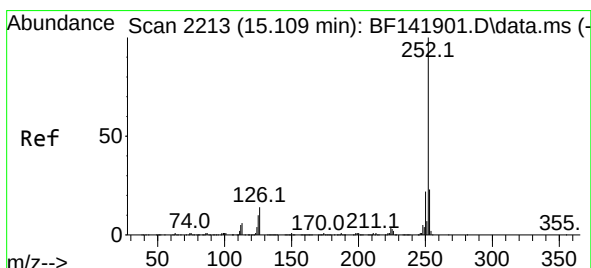
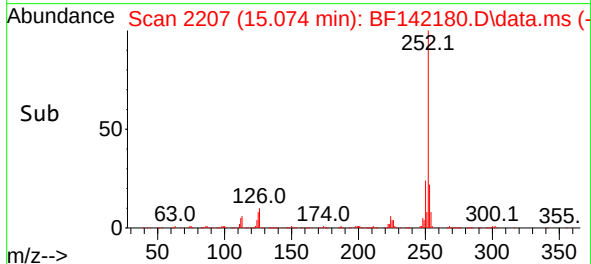
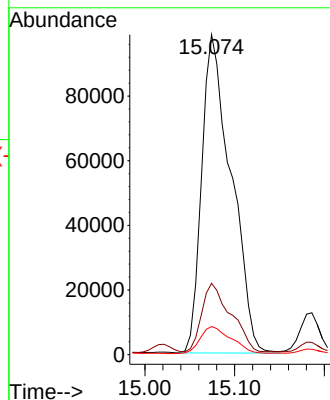
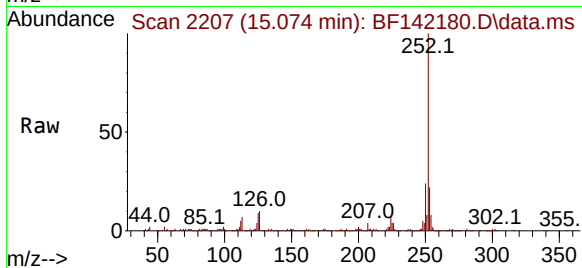
Tgt Ion:252 Resp: 224438

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 8.8 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 13.128 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

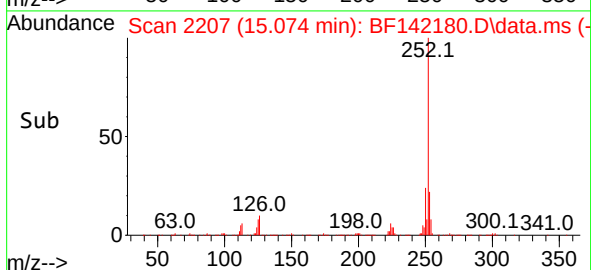
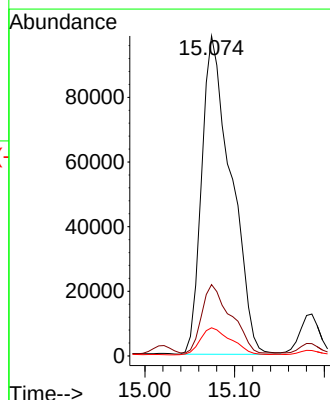
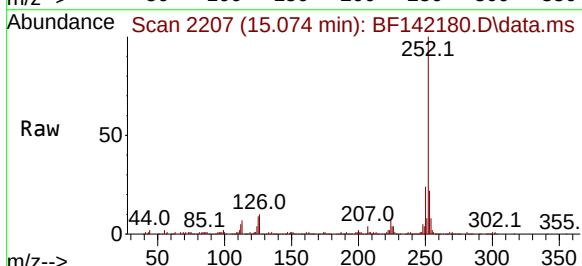
Tgt Ion:252 Resp: 224438

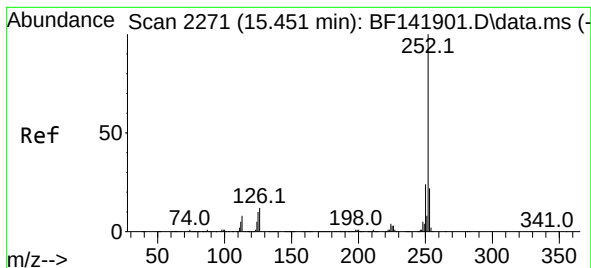
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.8 7.2 10.8





#90

Benzo(a)pyrene

Concen: 5.692 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL

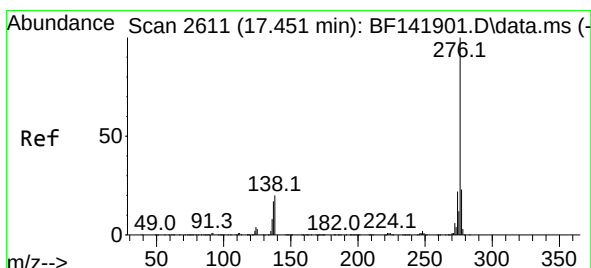
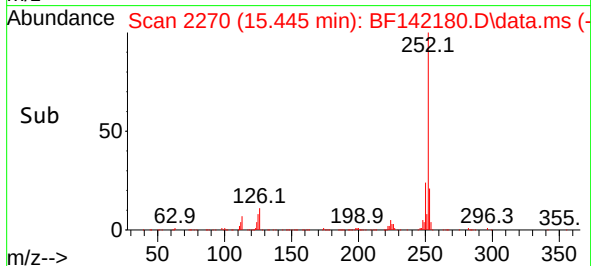
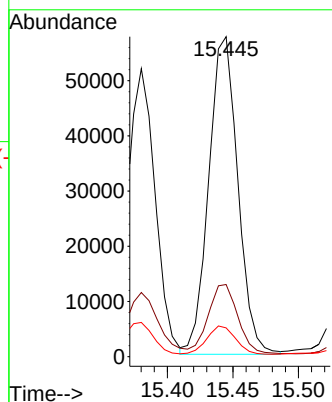
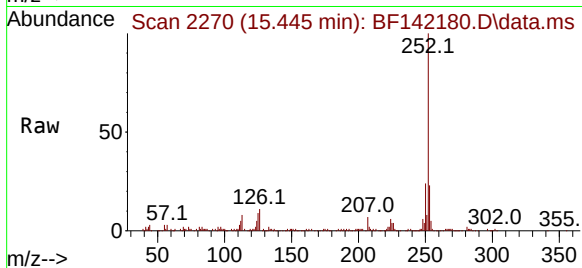
Tgt Ion:252 Resp: 88968

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 9.0 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 3.375 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.012 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Tgt Ion:276 Resp: 51889

Ion Ratio Lower Upper

276 100

277 26.1 18.7 28.1

138 18.4 15.8 23.8

