

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
 Data File : BF142598.D
 Acq On : 02 Jun 2025 15:34
 Operator : RC/JU
 Sample : Q2150-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 16:03:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

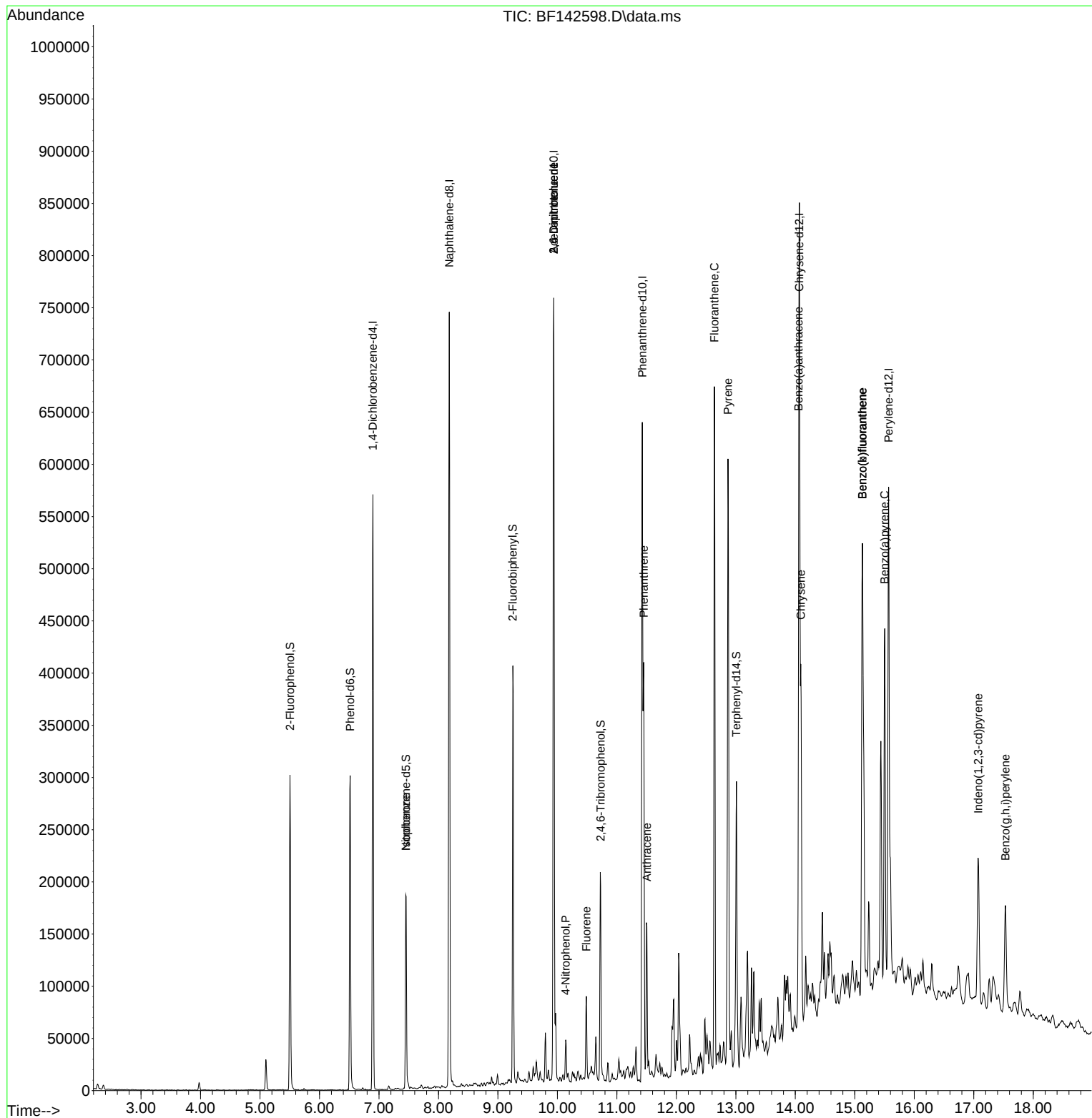
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	127289	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	470532	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	232054	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	325882	20.000	ng	0.00
76) Chrysene-d12	14.068	240	250994	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	278926	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	117955	15.612	ng	-0.01
7) Phenol-d6	6.516	99	142903	15.713	ng	-0.02
23) Nitrobenzene-d5	7.451	82	83225	9.645	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	32201	12.503	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	184171	10.650	ng	-0.02
79) Terphenyl-d14	13.010	244	124670	6.788	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.451	82	76414	5.297	ng	# 63
51) 2,6-Dinitrotoluene	9.939	165	30899	9.350	ng	# 27
56) 4-Nitrophenol	10.139	139	7721	2.899	ng	# 15
57) 2,4-Dinitrotoluene	9.939	165	30900	7.160	ng	# 28
58) Fluorene	10.486	166	35042	2.298	ng	98
71) Phenanthrene	11.451	178	208888	11.994	ng	100
72) Anthracene	11.504	178	91928	5.172	ng	100
75) Fluoranthene	12.639	202	373090	22.927	ng	98
78) Pyrene	12.869	202	347198	14.829	ng	98
81) Benzo(a)anthracene	14.057	228	215675	12.868	ng	94
83) Chrysene	14.092	228	187480	12.449	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	104960	5.012	ng	97
88) Benzo(b)fluoranthene	15.127	252	386849	23.434	ng	97
89) Benzo(k)fluoranthene	15.127	252	386849	25.020	ng	97
90) Benzo(a)pyrene	15.504	252	206792	13.289	ng	97
92) Benzo(g,h,i)perylene	17.533	276	92128	5.423	ng	99

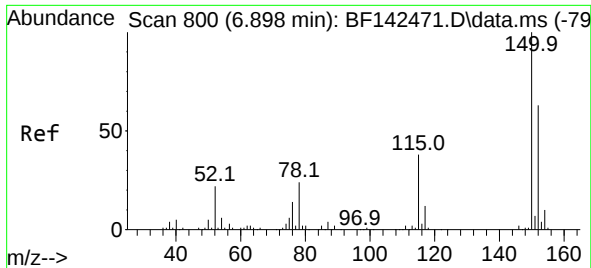
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142598.D
Acq On : 02 Jun 2025 15:34
Operator : RC/JU
Sample : Q2150-01DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 02 16:03:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

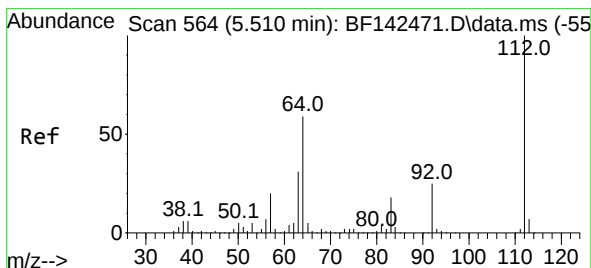
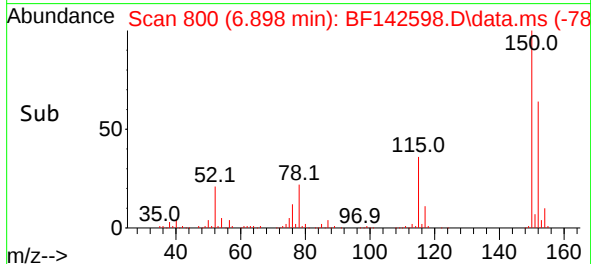
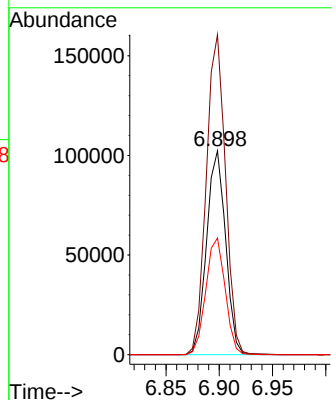
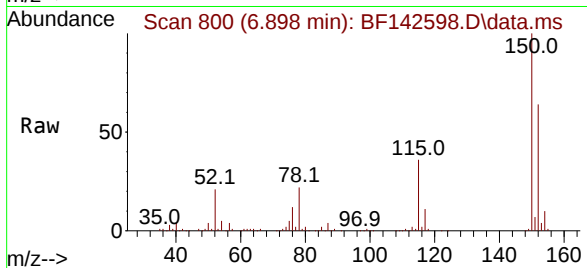




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142598.D
 Acq: 02 Jun 2025 15:34

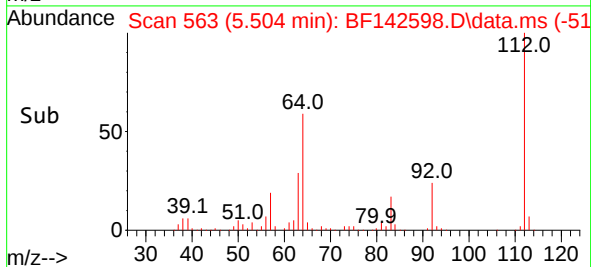
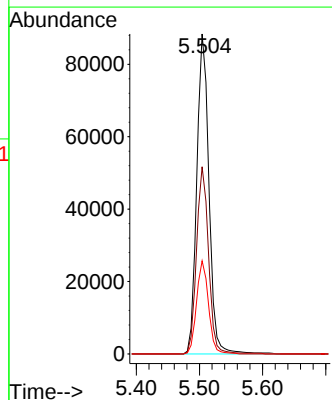
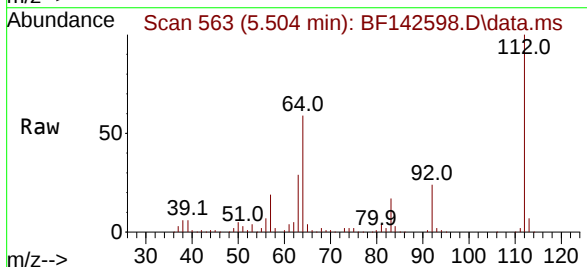
Instrument :
 BNA_F
 ClientSampleId :

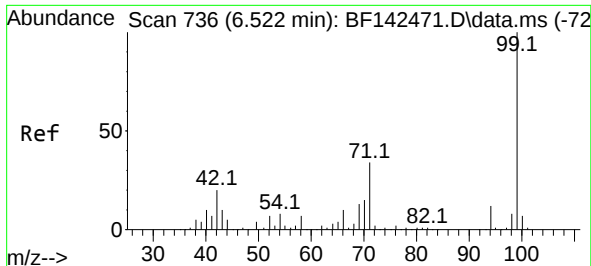
Tgt Ion:152 Resp: 127289
 Ion Ratio Lower Upper
 152 100
 150 156.9 128.2 192.4
 115 57.2 48.3 72.5



#5
 2-Fluorophenol
 Concen: 15.612 ng
 RT: 5.504 min Scan# 563
 Delta R.T. -0.012 min
 Lab File: BF142598.D
 Acq: 02 Jun 2025 15:34

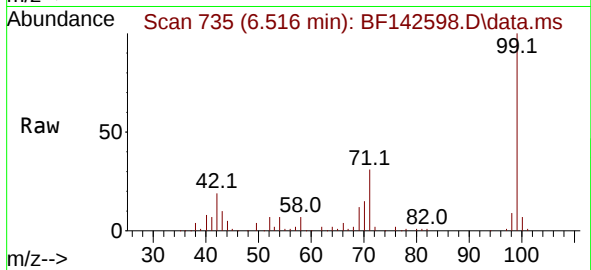
Tgt Ion:112 Resp: 117955
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.5 71.3
 63 29.1 24.9 37.3



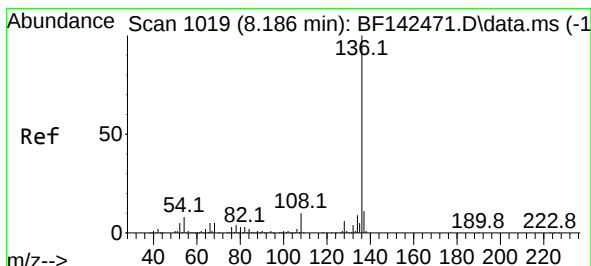
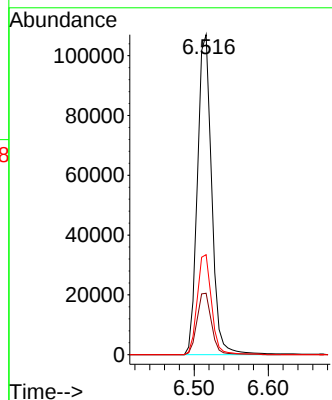
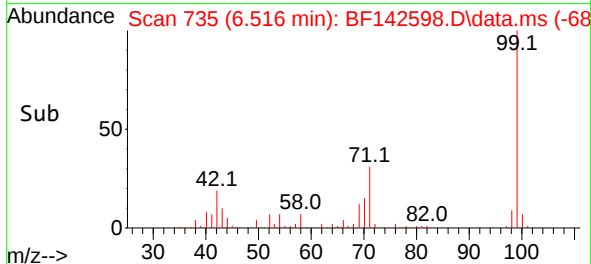


#7
Phenol-d6
Concen: 15.713 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

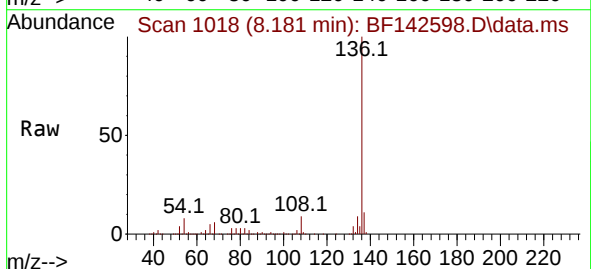
Instrument :
BNA_F
ClientSampleId :



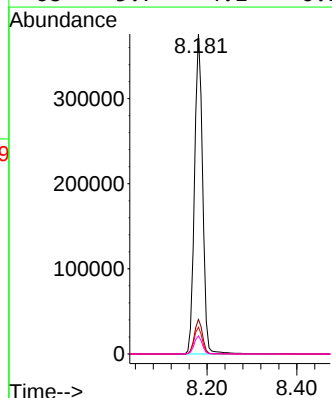
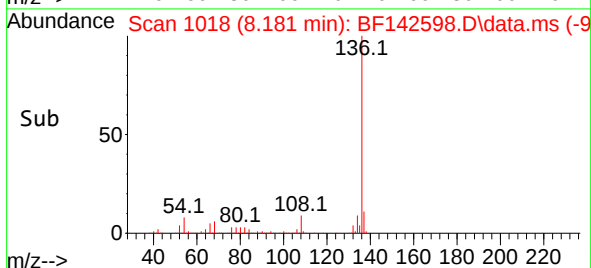
Tgt Ion: 99 Resp: 142903
Ion Ratio Lower Upper
99 100
42 19.2 16.2 24.2
71 31.2 27.3 40.9

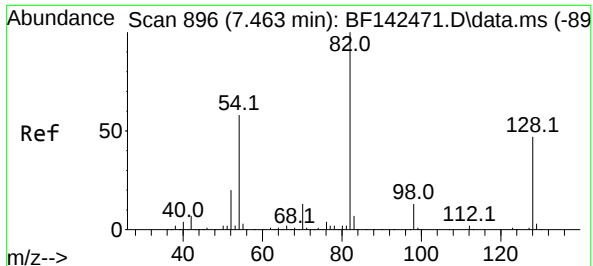


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34



Tgt Ion: 136 Resp: 470532
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 6.6 10.0
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 9.645 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

Instrument :

BNA_F

ClientSampleId :

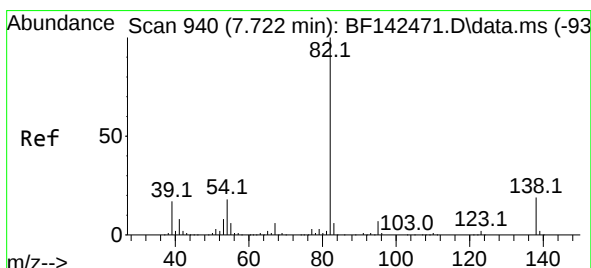
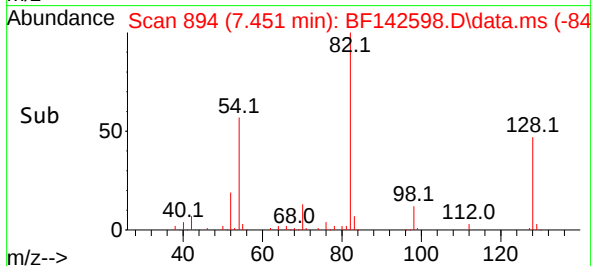
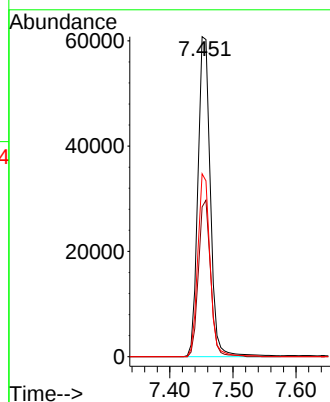
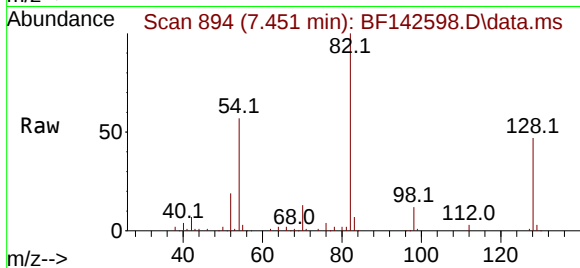
Tgt Ion: 82 Resp: 83225

Ion Ratio Lower Upper

82 100

128 46.8 37.4 56.2

54 57.2 46.6 70.0



#25

Isophorone

Concen: 5.297 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.282 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

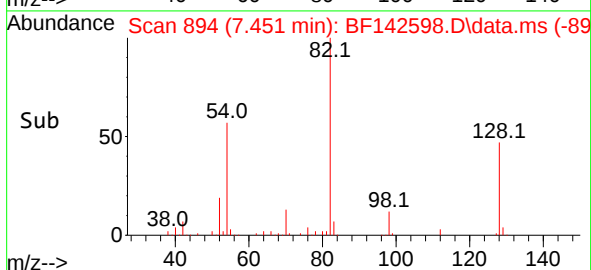
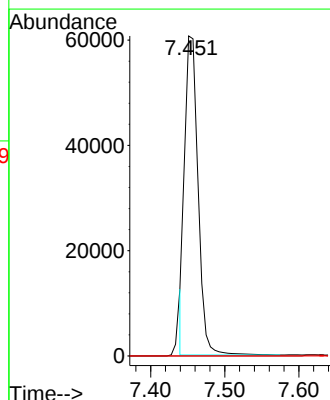
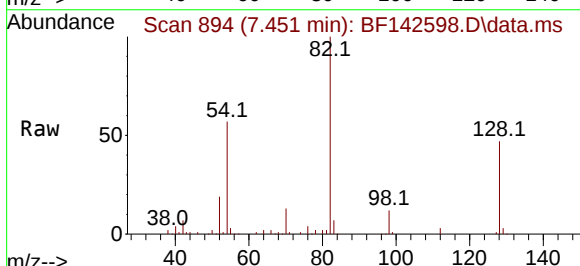
Tgt Ion: 82 Resp: 76414

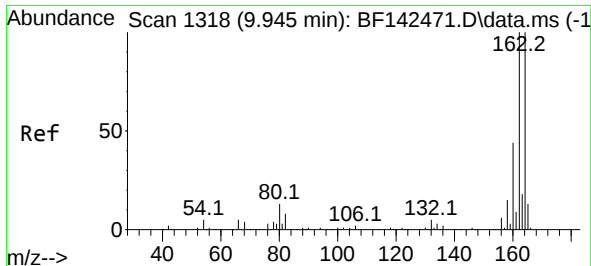
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

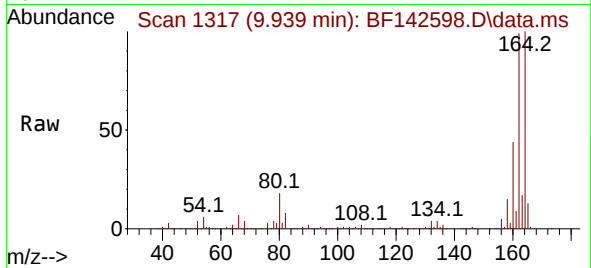
138 0.0 15.5 23.3#



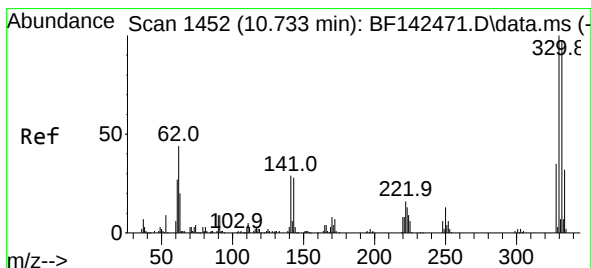
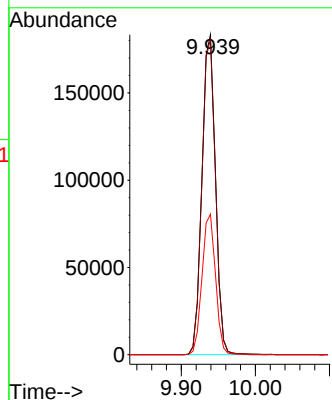
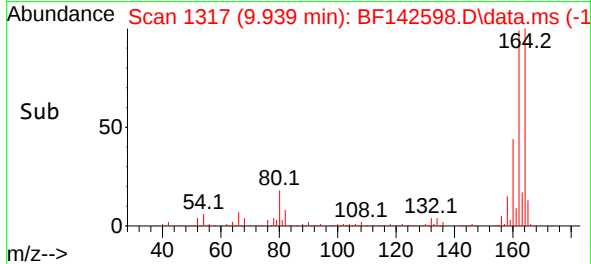


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

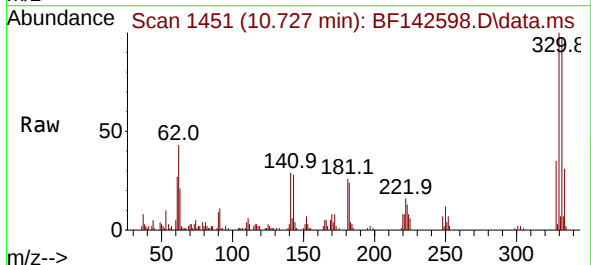
Instrument :
BNA_F
ClientSampleId :



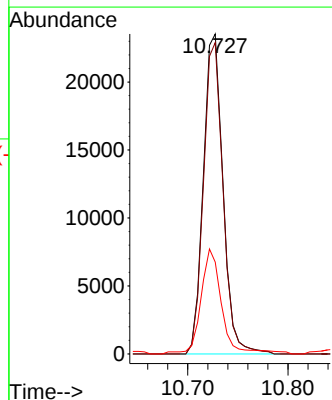
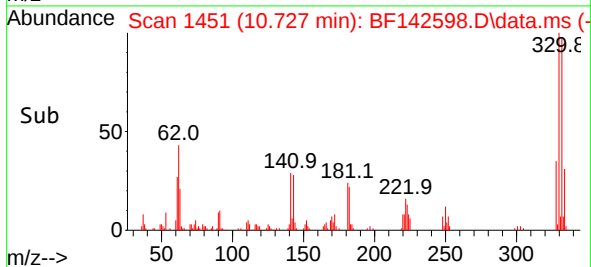
Tgt Ion:164 Resp: 232054
Ion Ratio Lower Upper
164 100
162 98.5 80.2 120.4
160 43.9 35.6 53.4

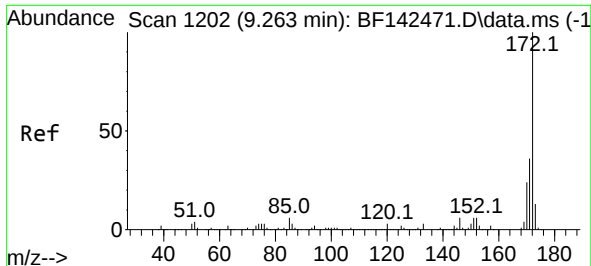


#42
2,4,6-Tribromophenol
Concen: 12.503 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34



Tgt Ion:330 Resp: 32201
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 34.6 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 10.650 ng

RT: 9.251 min Scan# 1

Delta R.T. -0.018 min

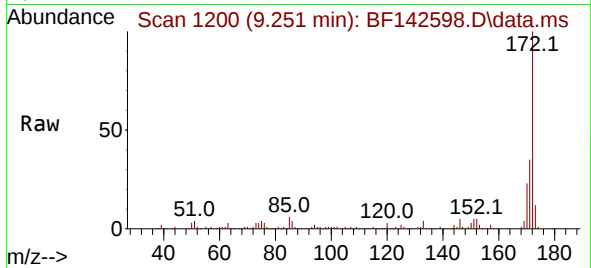
Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

Instrument :

BNA_F

ClientSampleId :



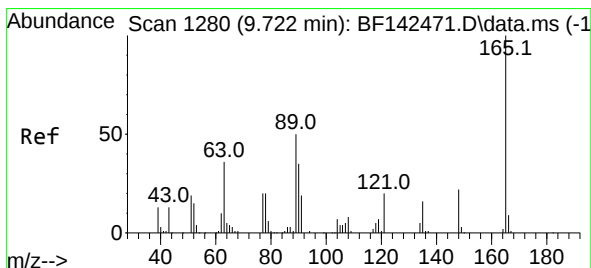
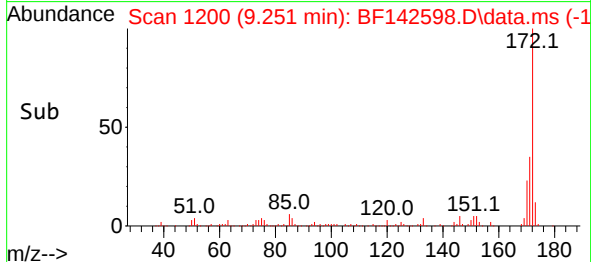
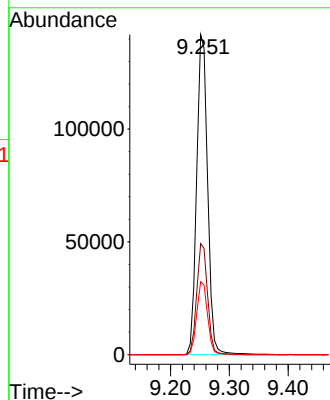
Tgt Ion:172 Resp: 184171

Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 22.8 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 9.350 ng

RT: 9.939 min Scan# 1317

Delta R.T. 0.212 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

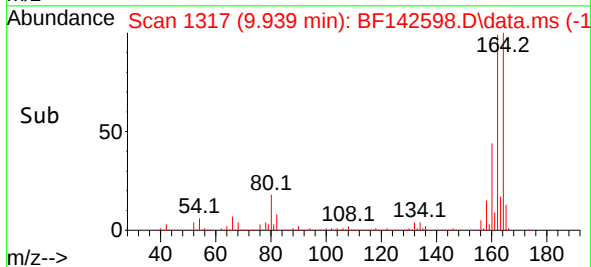
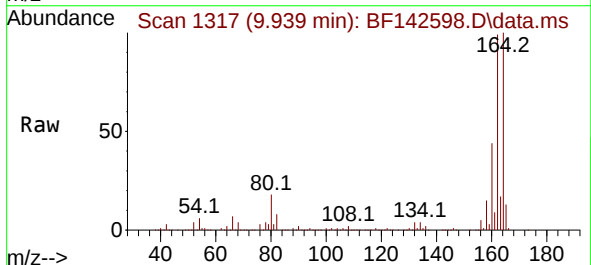
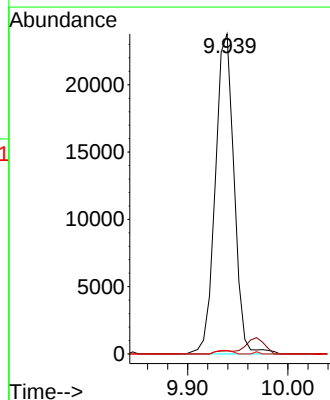
Tgt Ion:165 Resp: 30899

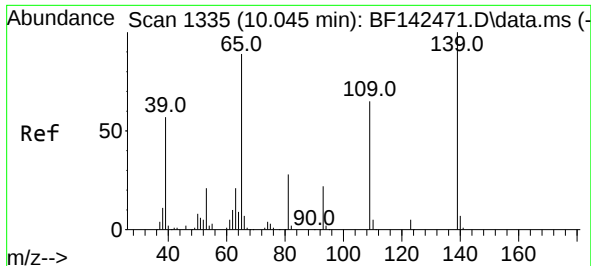
Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 1.1 40.2 60.4#

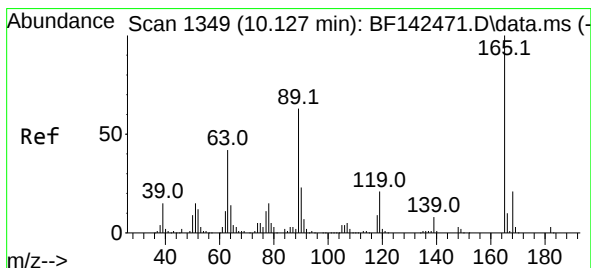
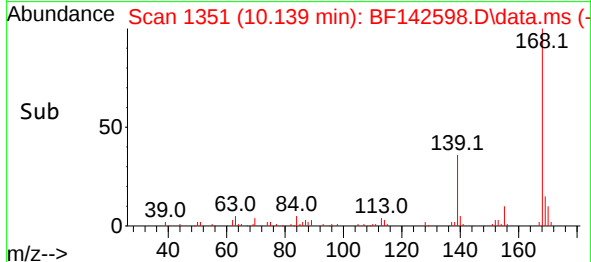
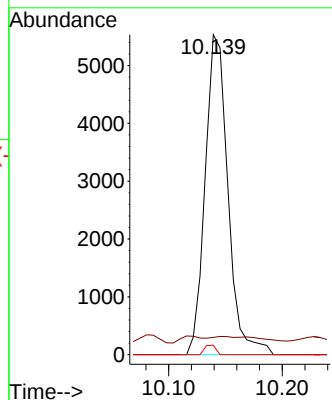
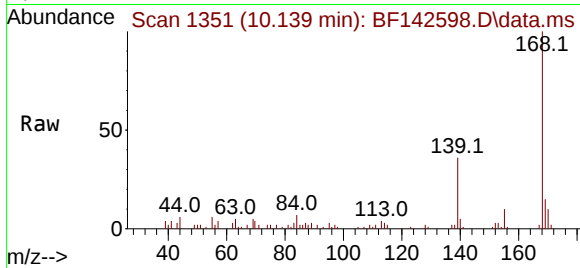




#56
4-Nitrophenol
Concen: 2.899 ng
RT: 10.139 min Scan# 1335
Delta R.T. 0.088 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

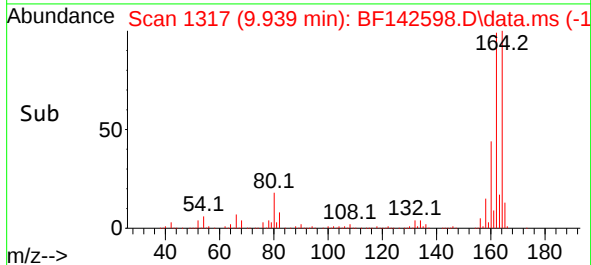
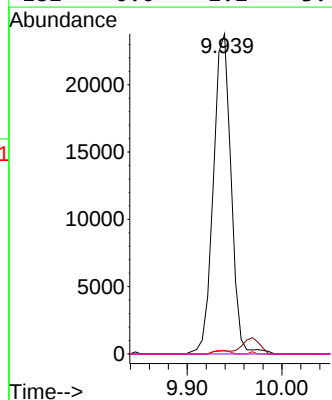
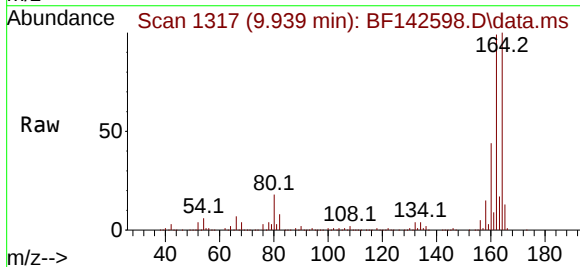
Instrument :
BNA_F
ClientSampleId :

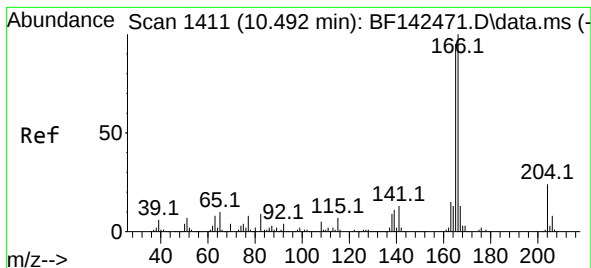
Tgt Ion:139 Resp: 7721
Ion Ratio Lower Upper
139 100
109 5.4 45.1 85.1#
65 2.9 69.7 109.7#



#57
2,4-Dinitrotoluene
Concen: 7.160 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:165 Resp: 30900
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#





#58

Fluorene

Concen: 2.298 ng

RT: 10.486 min Scan# 1411

Delta R.T. -0.012 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

Instrument :

BNA_F

ClientSampleId :

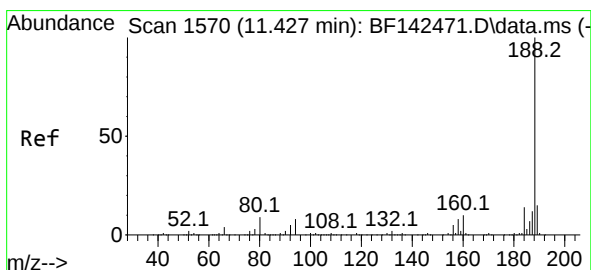
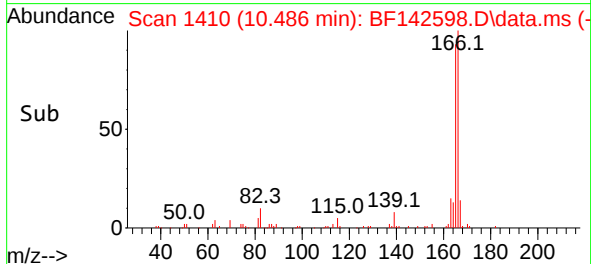
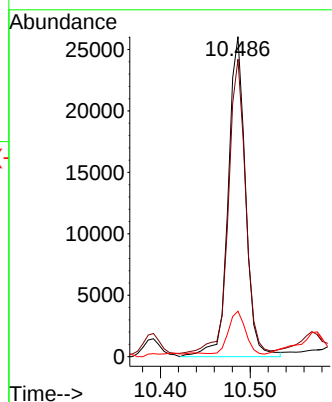
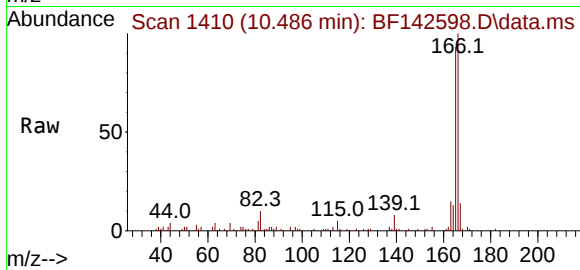
Tgt Ion:166 Resp: 35042

Ion Ratio Lower Upper

166 100

165 93.0 75.8 113.8

167 14.2 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

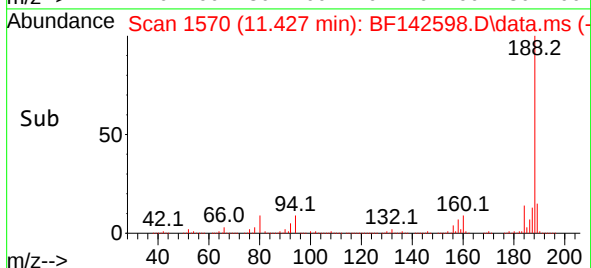
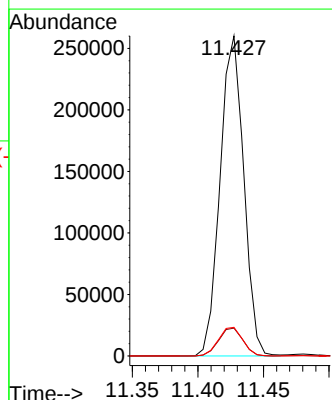
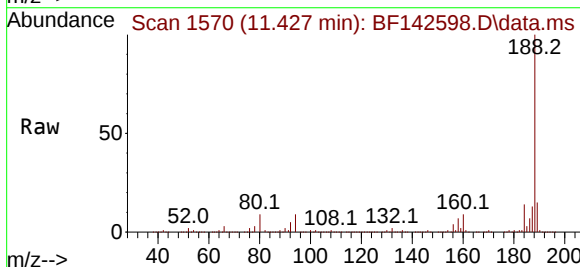
Tgt Ion:188 Resp: 325882

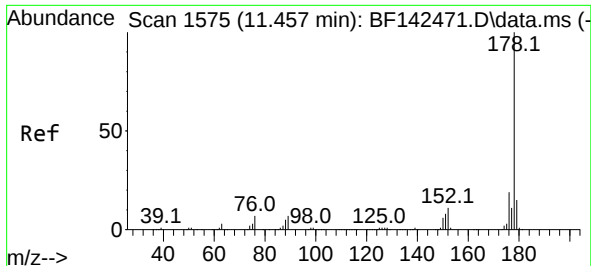
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 8.9 7.4 11.0

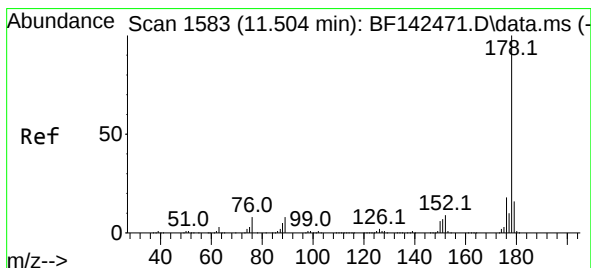
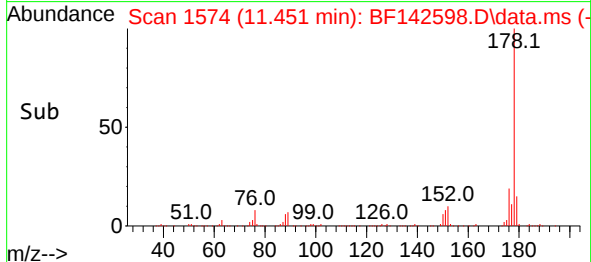
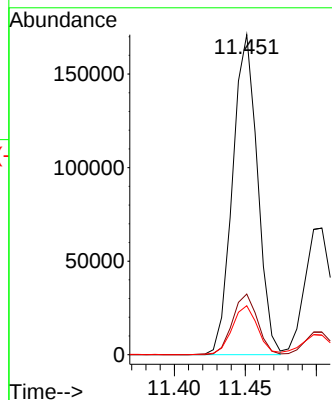
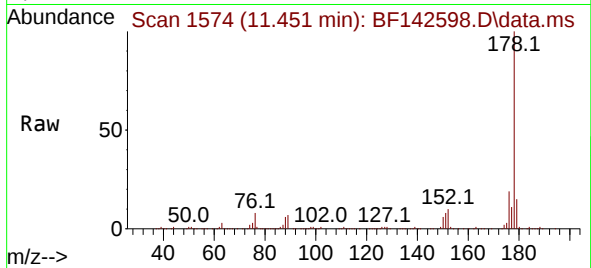




#71
Phenanthrene
Concen: 11.994 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

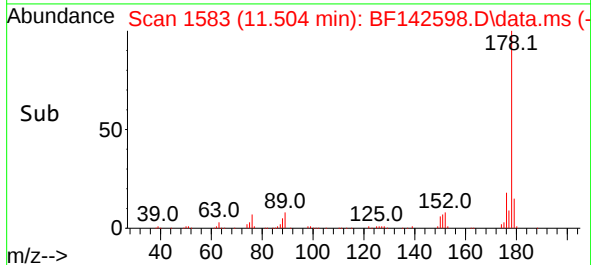
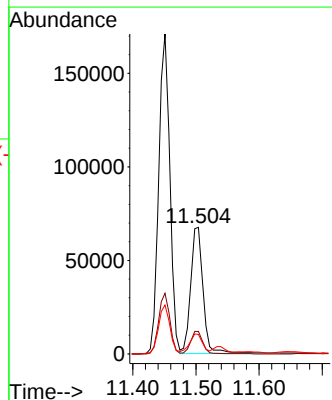
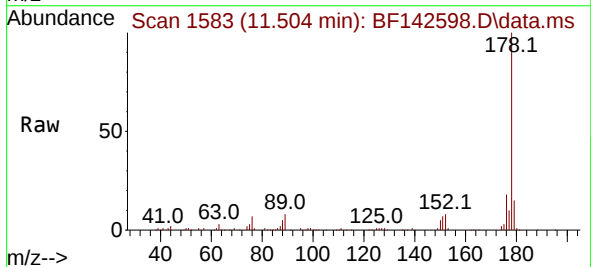
Instrument :
BNA_F
ClientSampleId :

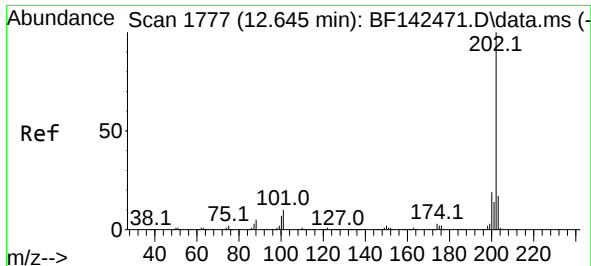
Tgt Ion:178 Resp: 208888
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.3 18.5



#72
Anthracene
Concen: 5.172 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:178 Resp: 91928
Ion Ratio Lower Upper
178 100
176 17.9 14.6 21.8
179 15.4 12.4 18.6

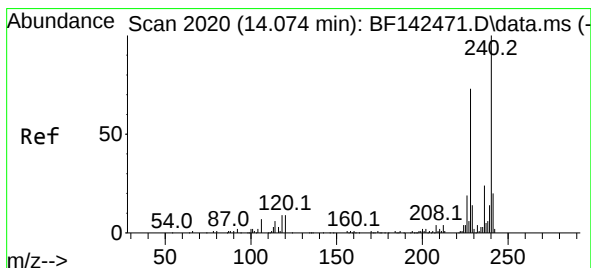
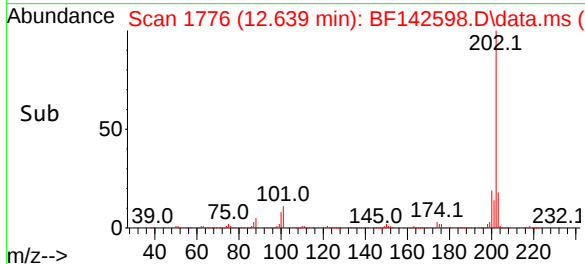
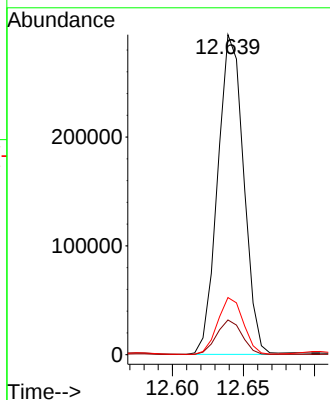
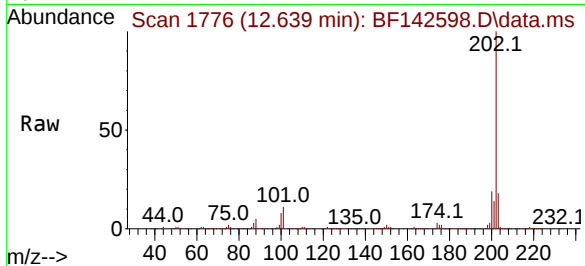




#75
Fluoranthene
Concen: 22.927 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

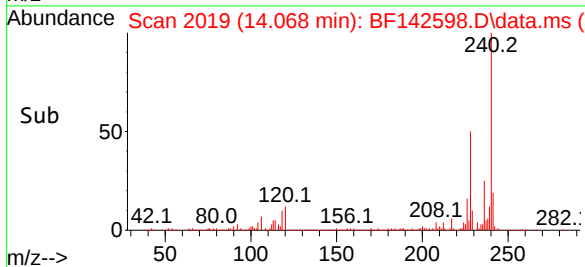
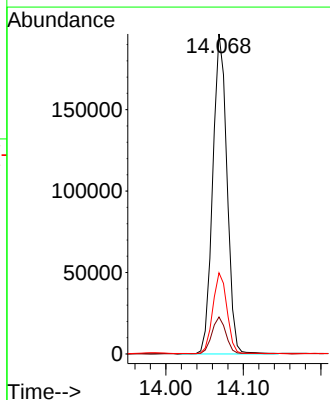
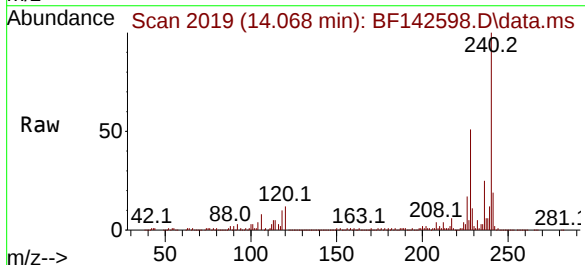
Instrument :
BNA_F
ClientSampleId :

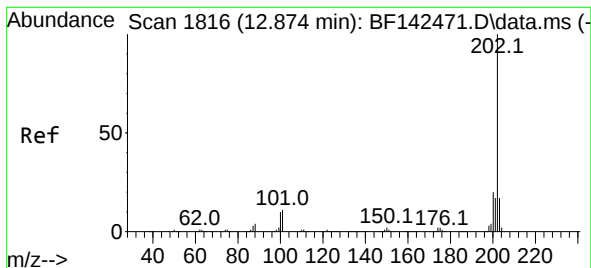
Tgt Ion:202 Resp: 373090
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.6
203 17.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:240 Resp: 250994
Ion Ratio Lower Upper
240 100
120 11.6 7.5 11.3#
236 25.4 19.6 29.4





#78

Pyrene

Concen: 14.829 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

Instrument :

BNA_F

ClientSampleId :

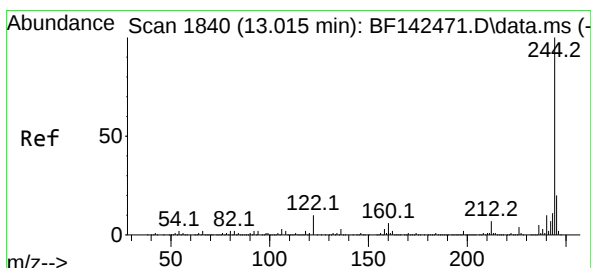
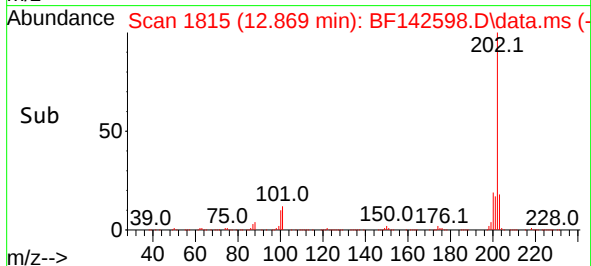
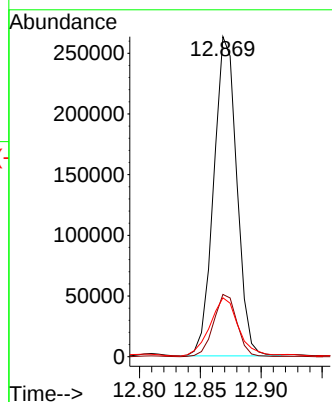
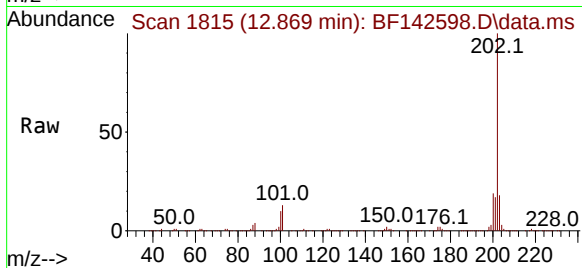
Tgt Ion:202 Resp: 347198

Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 18.4 13.9 20.9



#79

Terphenyl-d14

Concen: 6.788 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

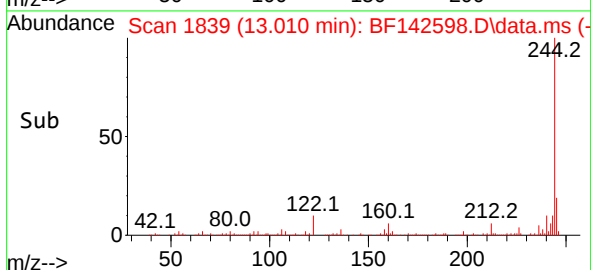
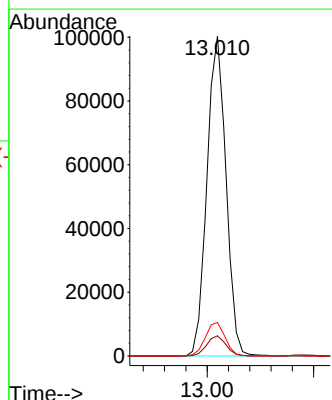
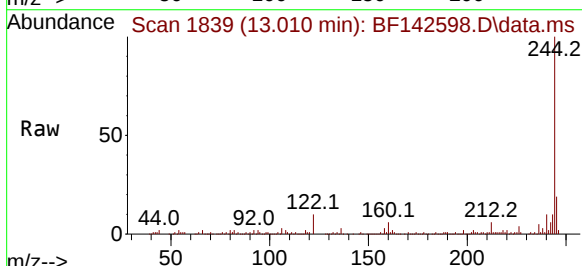
Tgt Ion:244 Resp: 124670

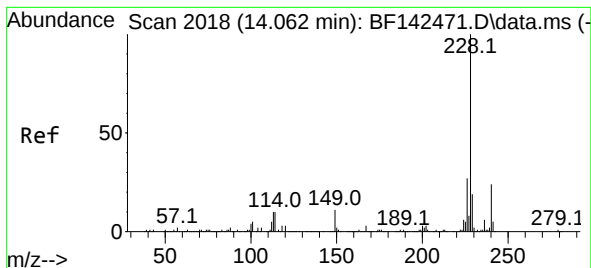
Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 10.4 8.2 12.2





#81

Benzo(a)anthracene

Concen: 12.868 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.006 min

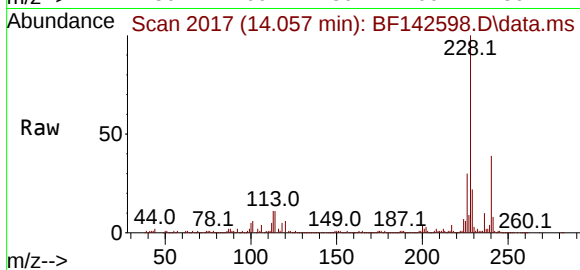
Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

Instrument :

BNA_F

ClientSampleId :



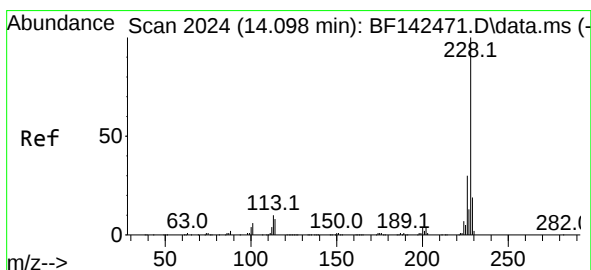
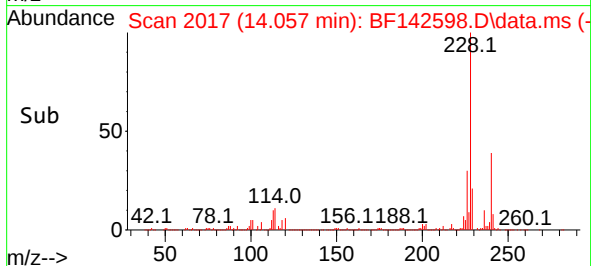
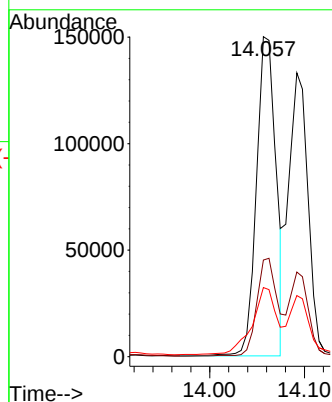
Tgt Ion:228 Resp: 215675

Ion Ratio Lower Upper

228 100

226 30.2 21.2 31.8

229 21.6 15.5 23.3



#83

Chrysene

Concen: 12.449 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

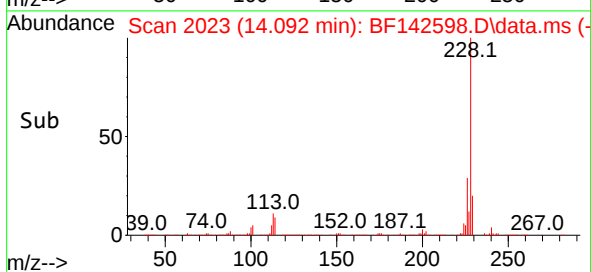
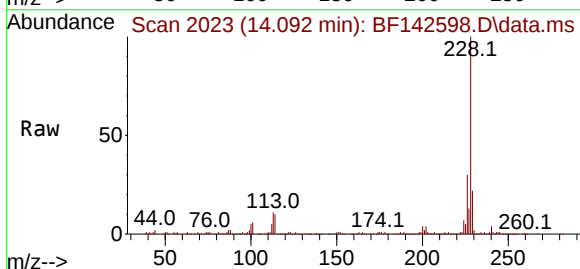
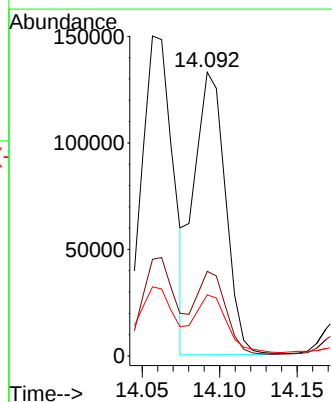
Tgt Ion:228 Resp: 187480

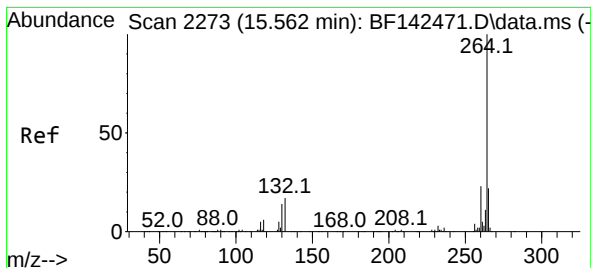
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

229 21.6 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

Instrument :

BNA_F

ClientSampleId :

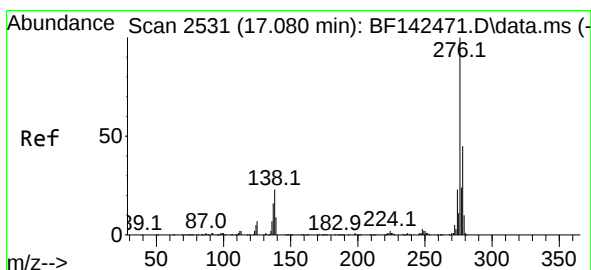
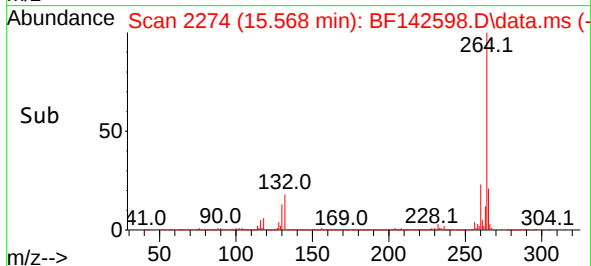
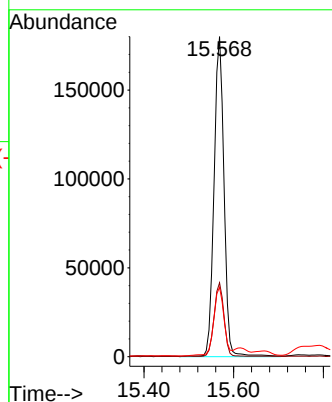
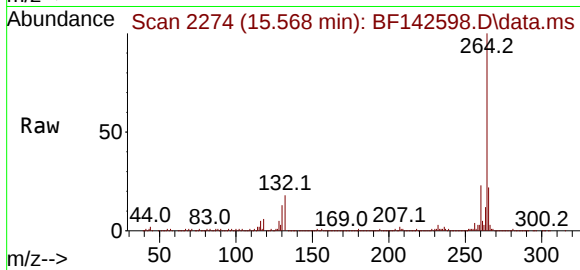
Tgt Ion:264 Resp: 278926

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 21.7 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.012 ng

RT: 17.074 min Scan# 2530

Delta R.T. -0.018 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

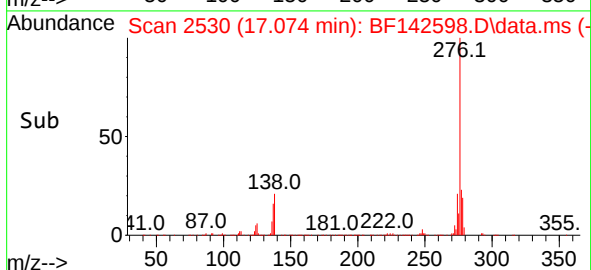
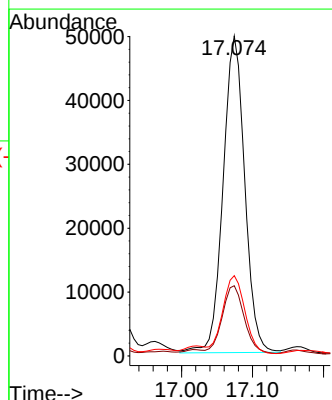
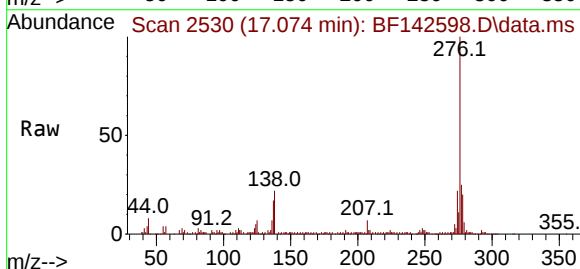
Tgt Ion:276 Resp: 104960

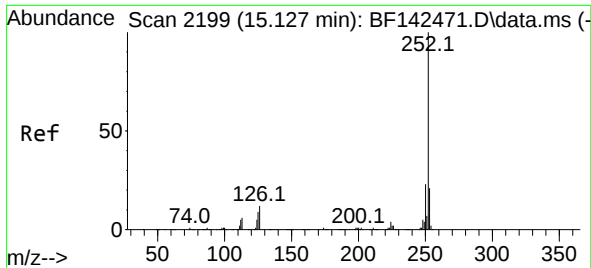
Ion Ratio Lower Upper

276 100

138 21.5 19.9 29.9

277 25.2 20.2 30.2

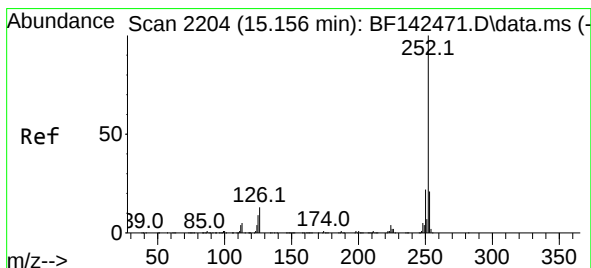
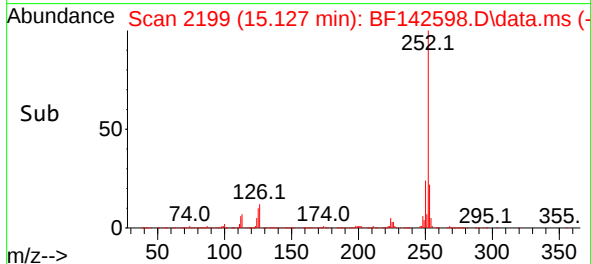
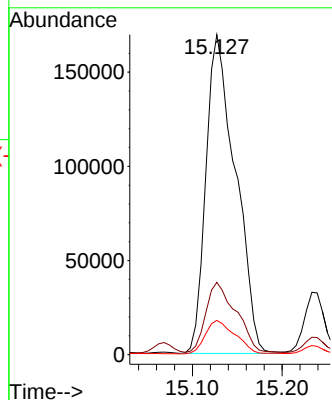
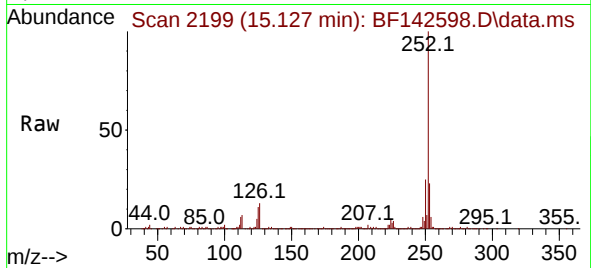




#88
Benzo(b)fluoranthene
Concen: 23.434 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

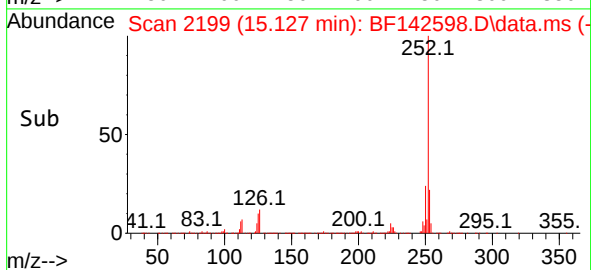
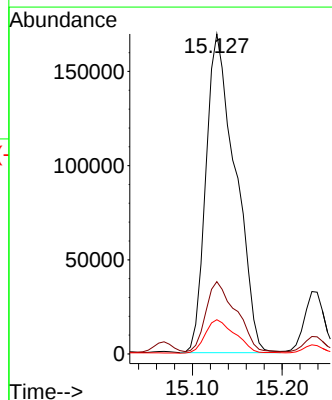
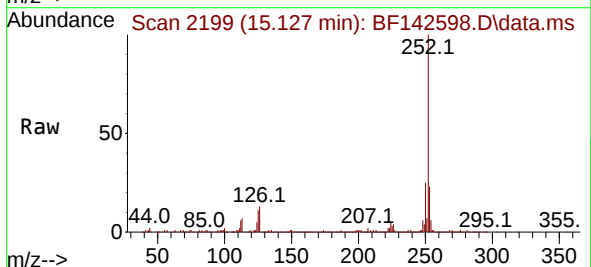
Instrument :
BNA_F
ClientSampleId :

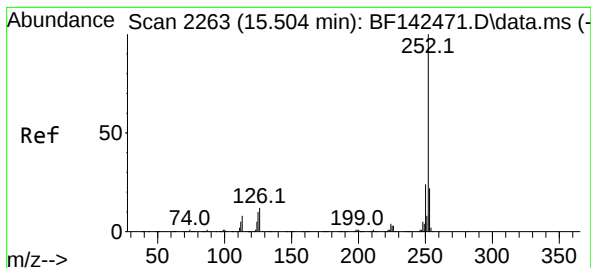
Tgt Ion:252 Resp: 386849
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 10.7 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 25.020 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:252 Resp: 386849
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 10.7 7.3 10.9





#90

Benzo(a)pyrene

Concen: 13.289 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

Instrument :

BNA_F

ClientSampleId :

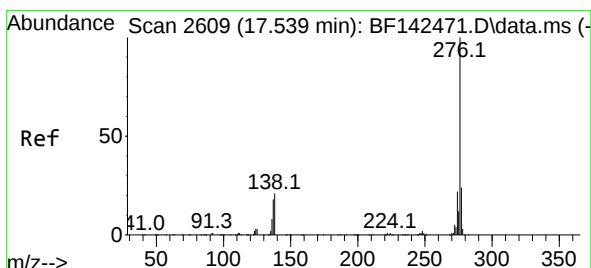
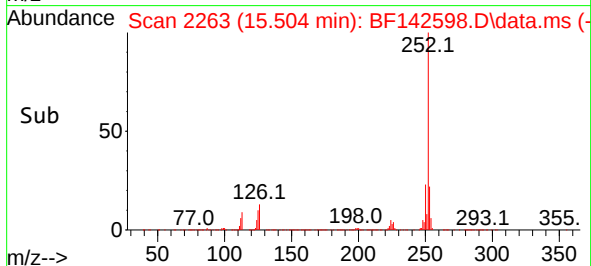
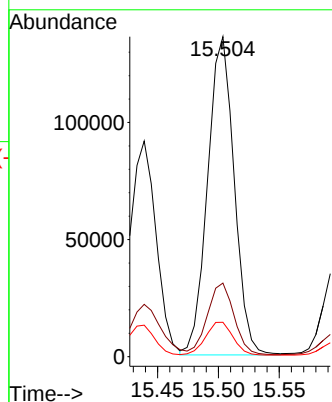
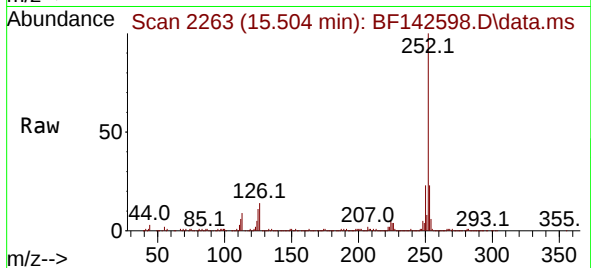
Tgt Ion:252 Resp: 206792

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.8 7.9 11.9



#92

Benzo(g,h,i)perylene

Concen: 5.423 ng

RT: 17.533 min Scan# 2608

Delta R.T. -0.023 min

Lab File: BF142598.D

Acq: 02 Jun 2025 15:34

Tgt Ion:276 Resp: 92128

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 22.1 16.8 25.2

