

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142977.D
 Acq On : 02 Jul 2025 18:20
 Operator : RC/JU
 Sample : Q2458-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-66

Quant Time: Jul 02 18:40:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

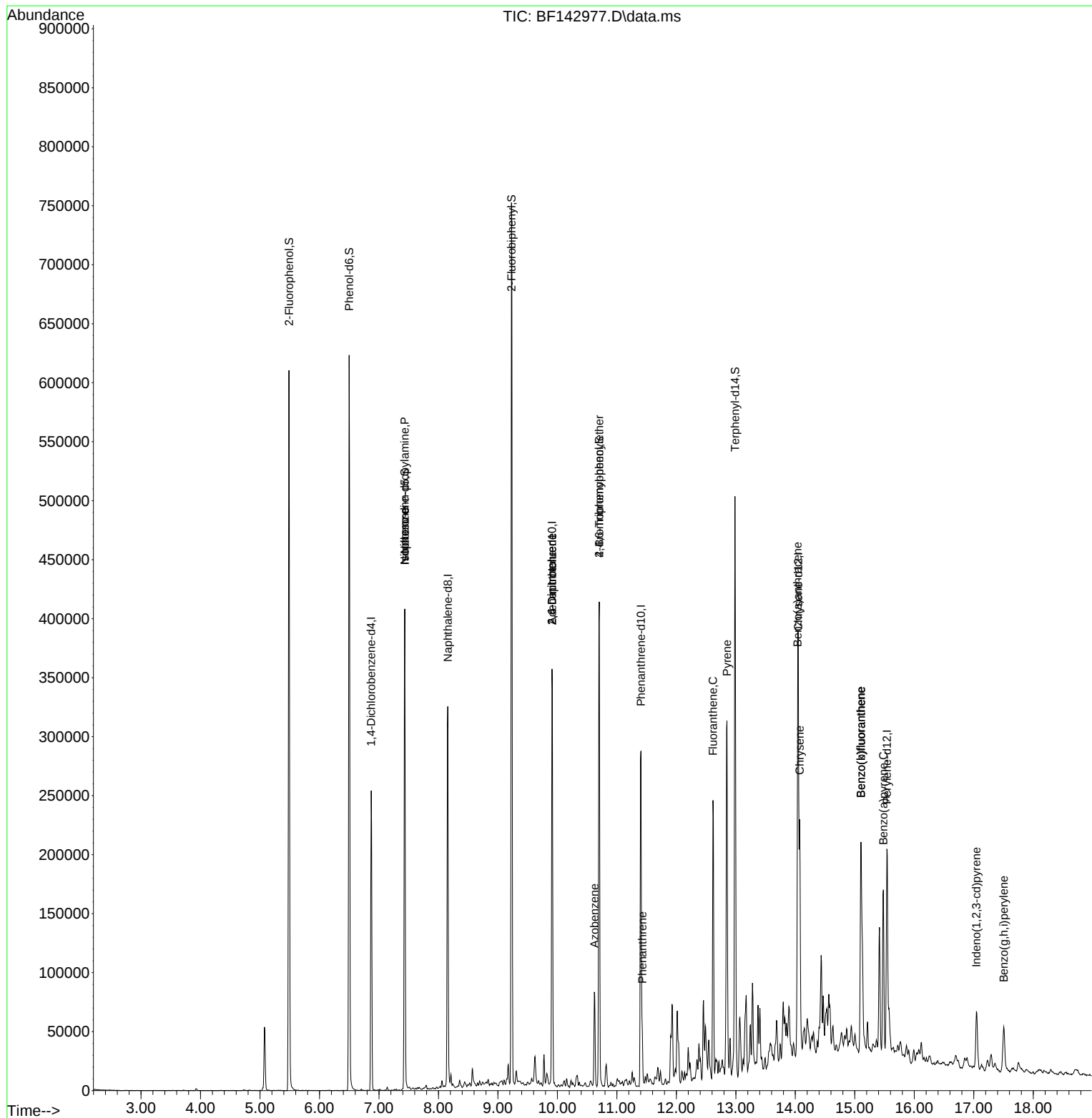
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	55670	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	209987	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	105779	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	154994	20.000	ng	0.00
76) Chrysene-d12	14.051	240	110689	20.000	ng	0.00
86) Perylene-d12	15.539	264	101919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	231772	69.316	ng	0.00
7) Phenol-d6	6.498	99	281451	71.345	ng	-0.01
23) Nitrobenzene-d5	7.434	82	169665	44.318	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	69711	64.041	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	337312	41.891	ng	-0.02
79) Terphenyl-d14	12.986	244	228076	28.470	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	22261	9.702	ng	# 76
25) Isophorone	7.434	82	168474	27.433	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	14006	9.314	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	14006	7.012	ng	# 27
63) Azobenzene	10.622	77	19321	3.220	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4502	2.552	ng	# 1
71) Phenanthrene	11.428	178	27035	3.220	ng	98
75) Fluoranthene	12.616	202	130342	16.358	ng	99
78) Pyrene	12.851	202	179849	17.334	ng	99
81) Benzo(a)anthracene	14.039	228	109600	14.678	ng	95
83) Chrysene	14.074	228	100071	15.019	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	34234	4.410	ng	96
88) Benzo(b)fluoranthene	15.104	252	153009	25.945	ng	98
89) Benzo(k)fluoranthene	15.104	252	153009	27.731	ng	97
90) Benzo(a)pyrene	15.480	252	82011	14.395	ng	98
92) Benzo(g,h,i)perylene	17.504	276	35460	5.638	ng	99

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

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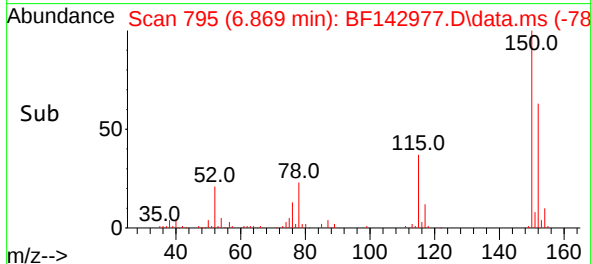
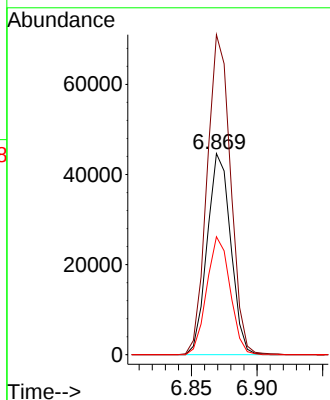
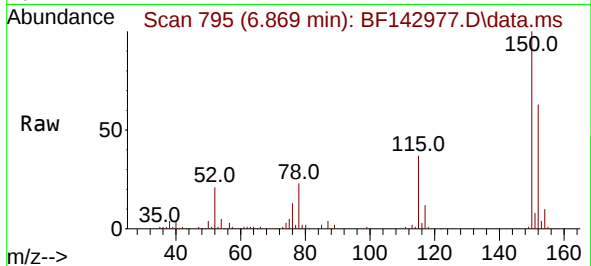




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF142977.D
 Acq: 02 Jul 2025 18:20

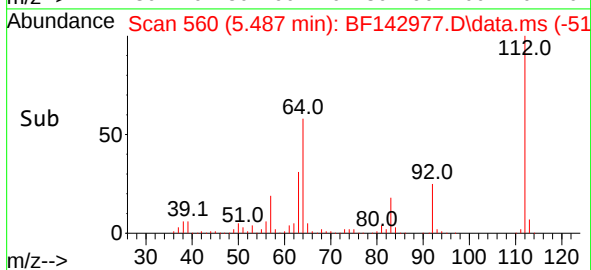
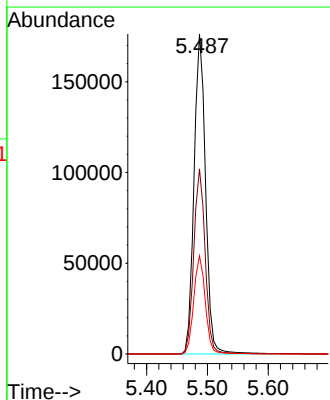
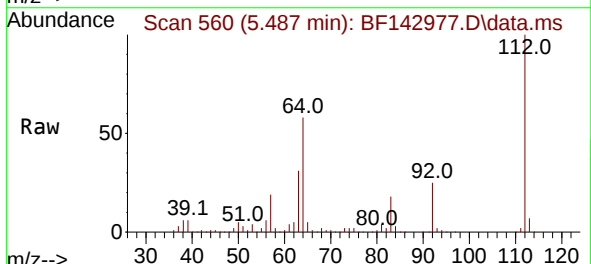
Instrument :
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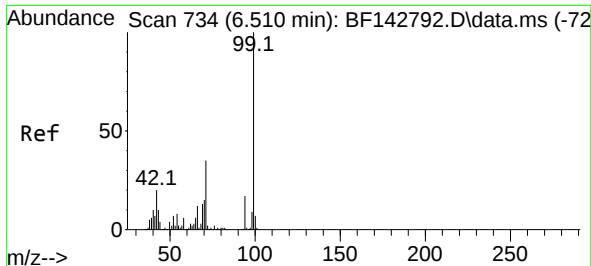
Tgt Ion:152 Resp: 55670
 Ion Ratio Lower Upper
 152 100
 150 159.1 127.2 190.8
 115 58.6 46.6 69.8



#5
 2-Fluorophenol
 Concen: 69.316 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142977.D
 Acq: 02 Jul 2025 18:20

Tgt Ion:112 Resp: 231772
 Ion Ratio Lower Upper
 112 100
 64 57.8 48.2 72.2
 63 30.7 25.7 38.5

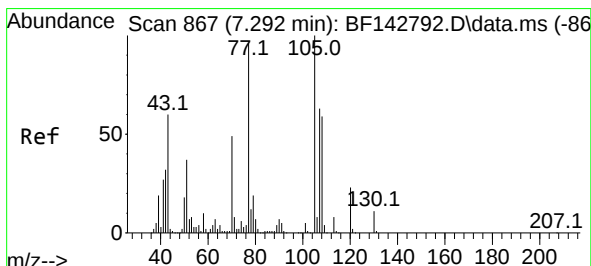
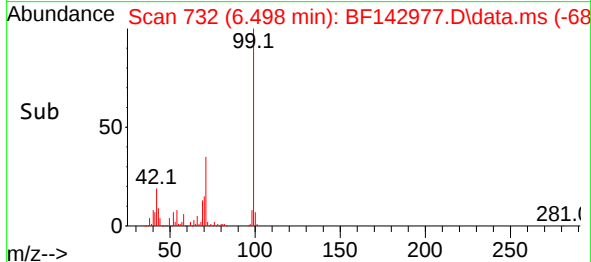
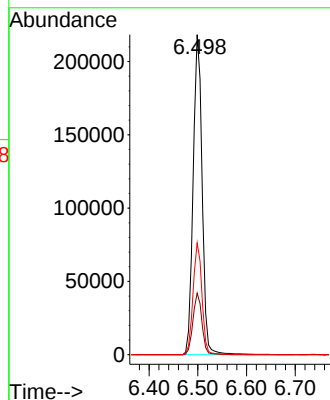
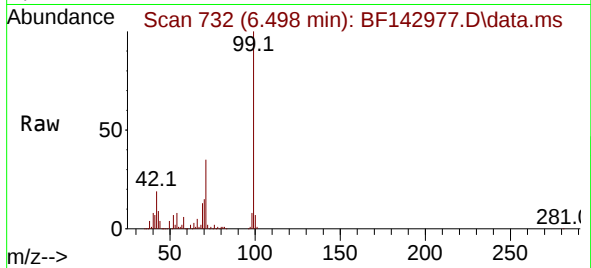




#7
Phenol-d6
Concen: 71.345 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

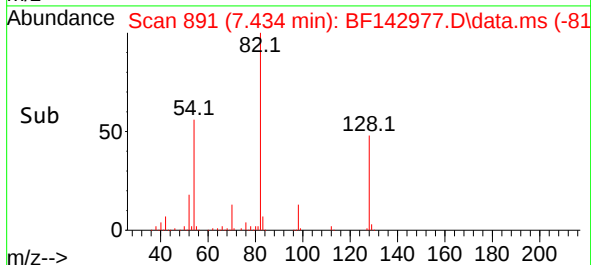
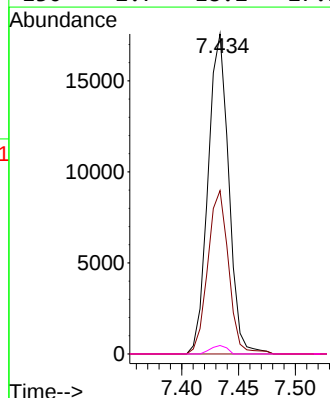
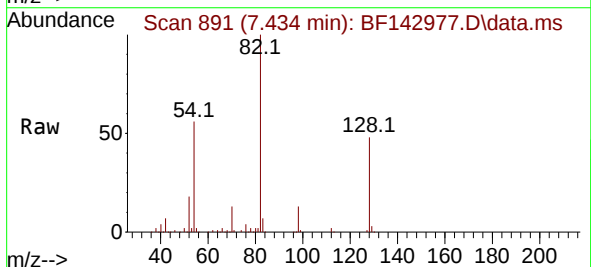
Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion: 99 Resp: 281451
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.702 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion: 70 Resp: 22261
Ion Ratio Lower Upper
70 100
42 51.0 52.1 78.1#
101 0.0 8.2 12.2#
130 2.7 18.2 27.2#



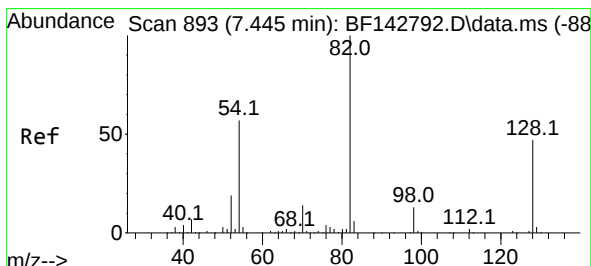
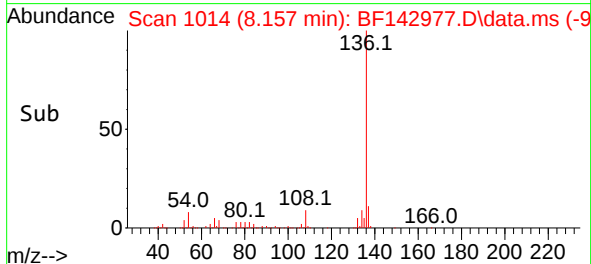
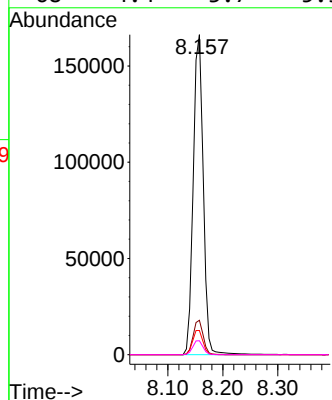
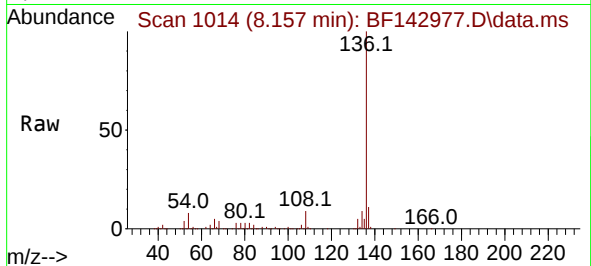


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:136 Resp: 209987

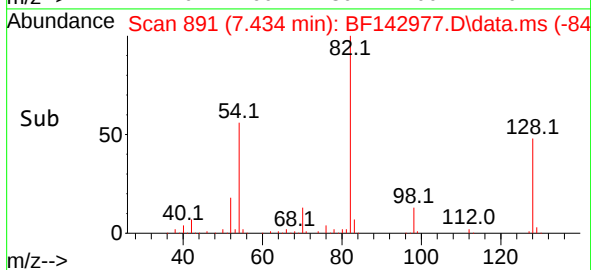
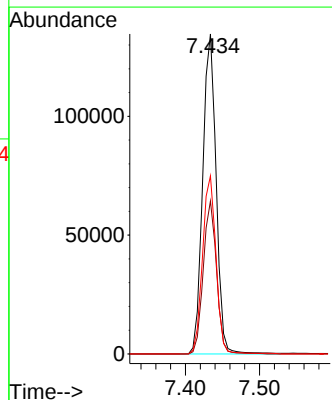
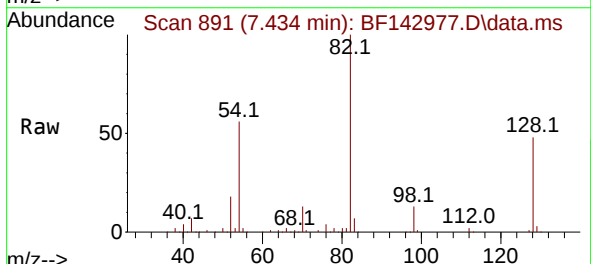
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.5	6.3	9.5
68	4.4	3.7	5.5



#23
Nitrobenzene-d5
Concen: 44.318 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion: 82 Resp: 169665

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	55.7	45.7	68.5

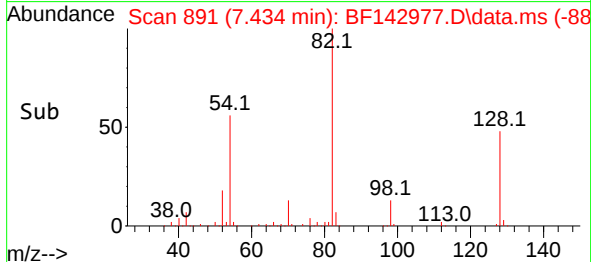
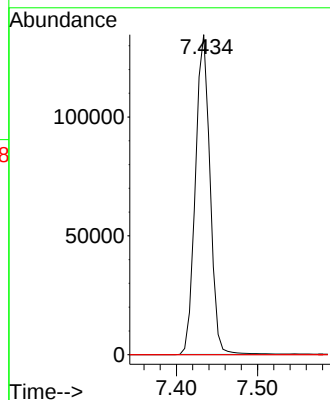
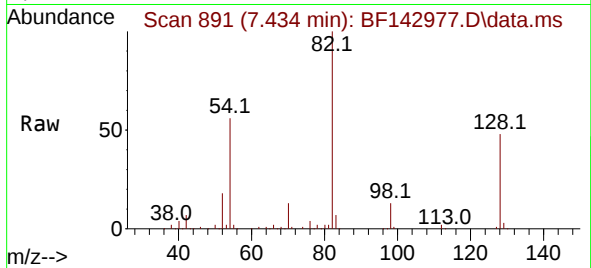




#25
Isophorone
Concen: 27.433 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

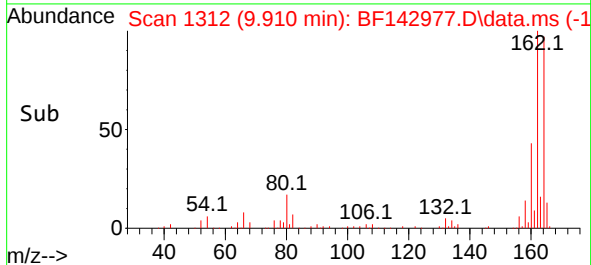
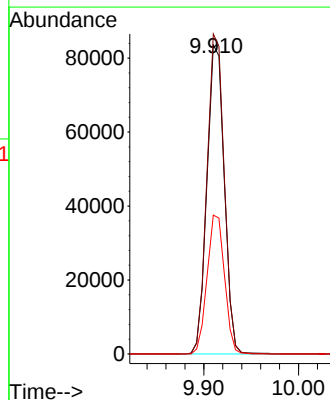
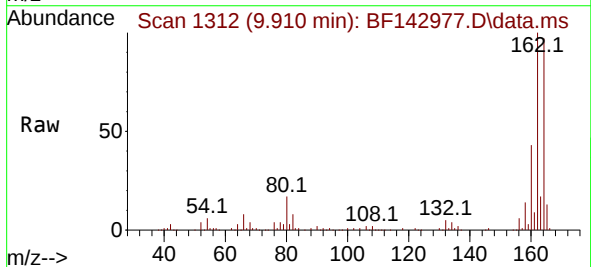
Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion: 82 Resp: 168474
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:164 Resp: 105779
Ion Ratio Lower Upper
164 100
162 103.6 81.8 122.8
160 45.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 64.041 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TP-66

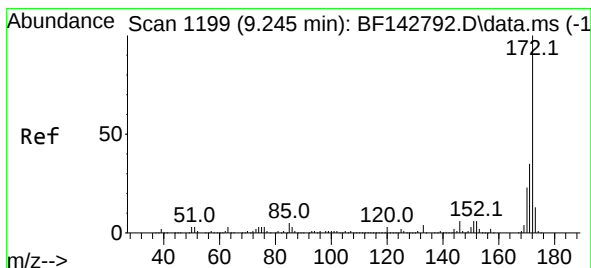
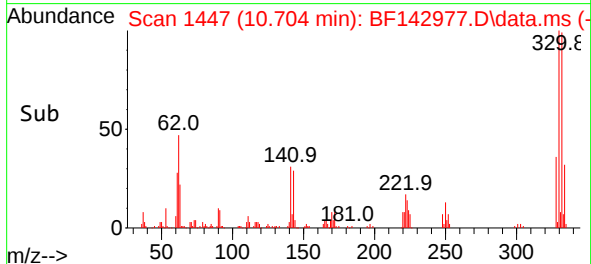
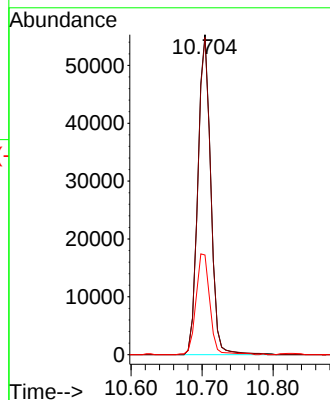
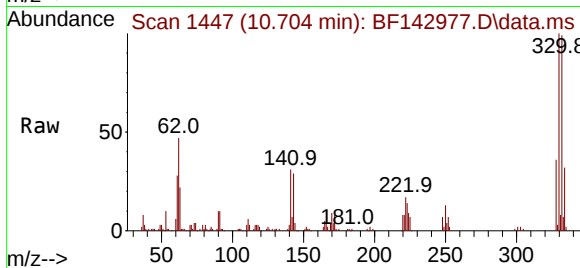
Tgt Ion:330 Resp: 69711

Ion Ratio Lower Upper

330 100

332 99.2 75.0 112.6

141 33.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 41.891 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.017 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

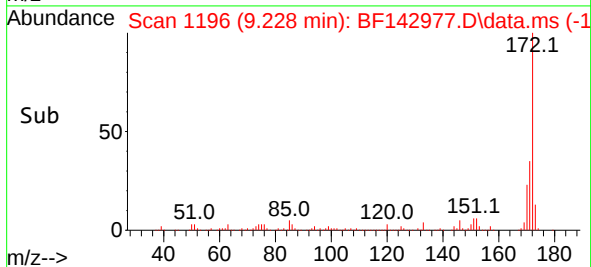
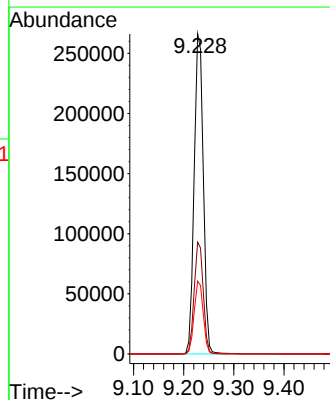
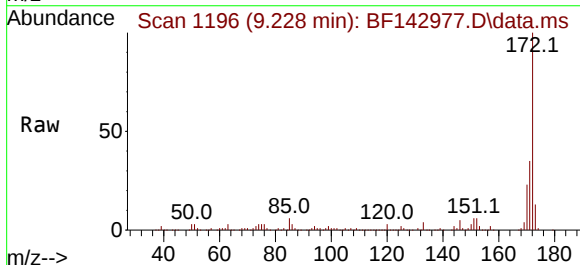
Tgt Ion:172 Resp: 337312

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.8 18.5 27.7

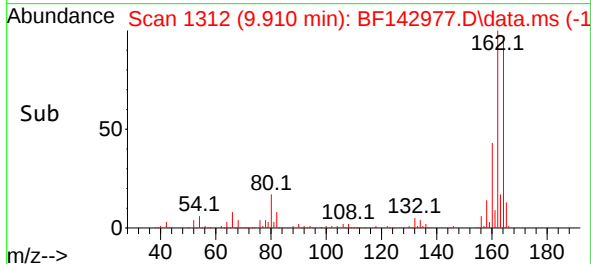
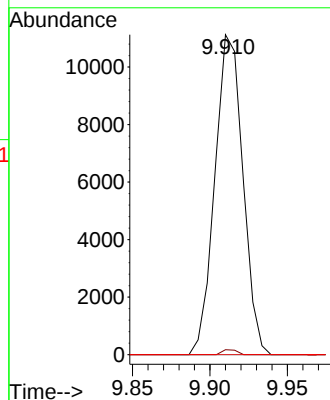
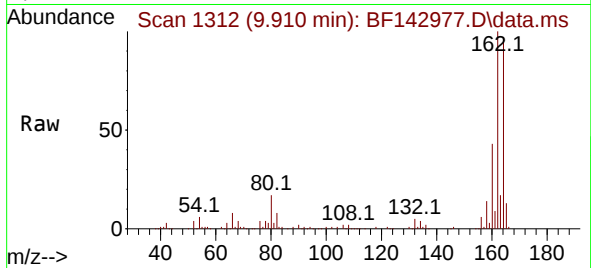




#51
2,6-Dinitrotoluene
Concen: 9.314 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

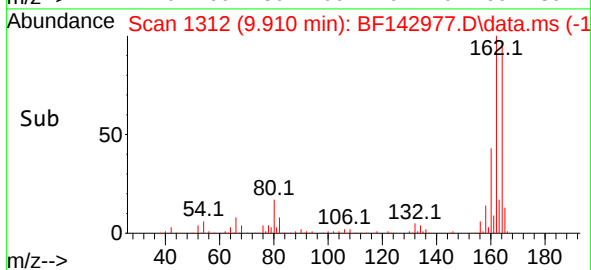
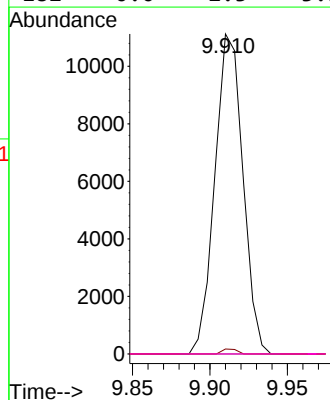
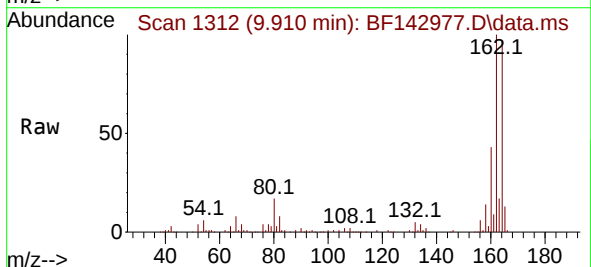
Instrument :
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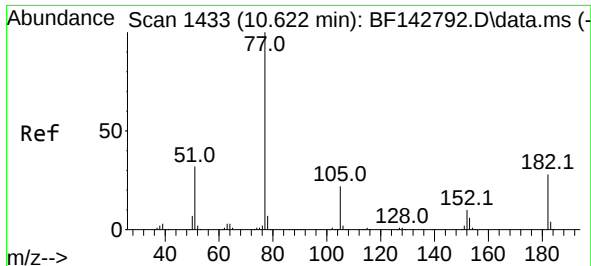
Tgt Ion:165 Resp: 14006
Ion Ratio Lower Upper
165 100
63 1.5 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.012 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:165 Resp: 14006
Ion Ratio Lower Upper
165 100
63 1.5 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

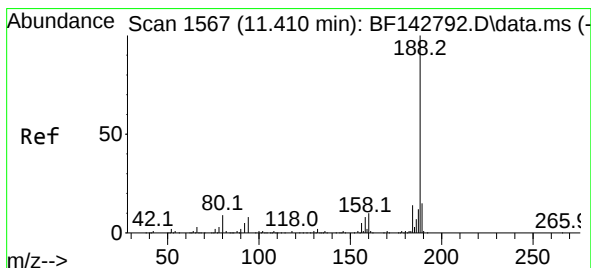
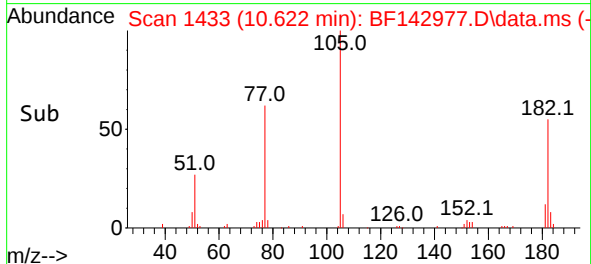
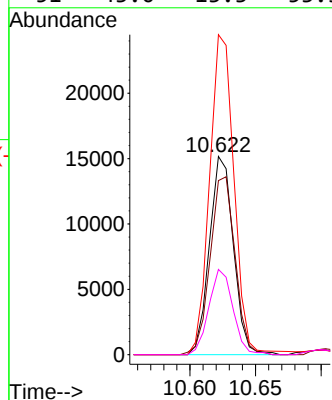
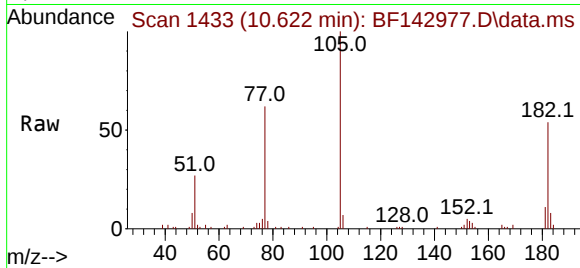




#63
Azobenzene
Concen: 3.220 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

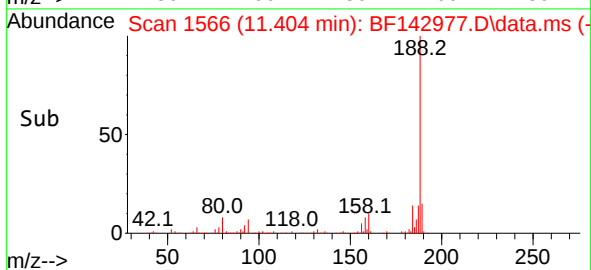
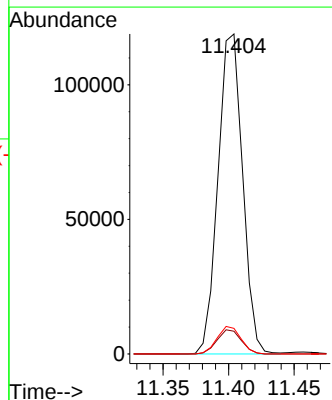
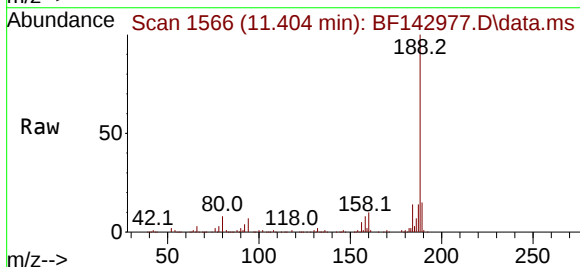
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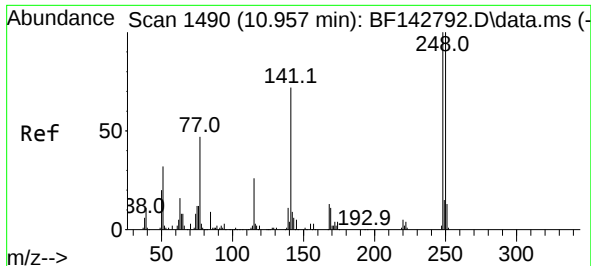
Tgt Ion: 77 Resp: 19321
Ion Ratio Lower Upper
77 100
182 87.8 7.7 47.7#
105 161.4 1.9 41.9#
51 43.0 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion: 188 Resp: 154994
Ion Ratio Lower Upper
188 100
94 7.1 6.7 10.1
80 8.0 6.9 10.3

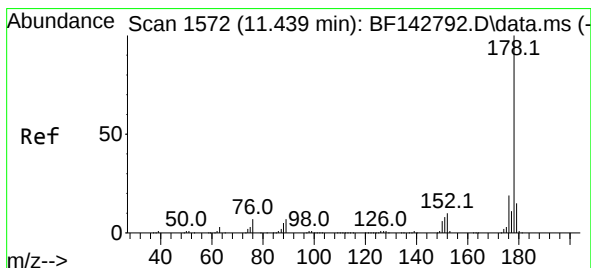
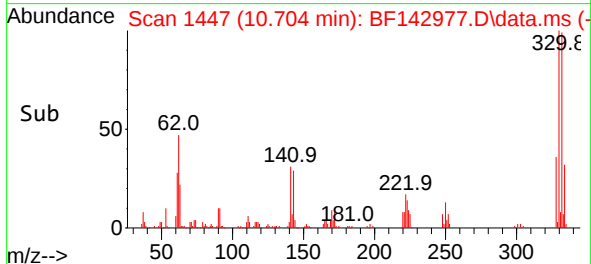
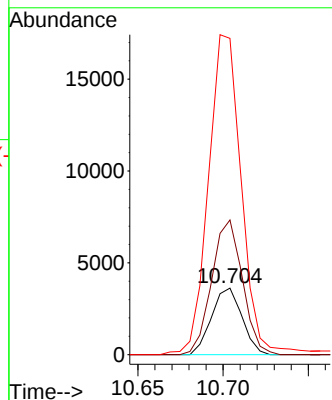
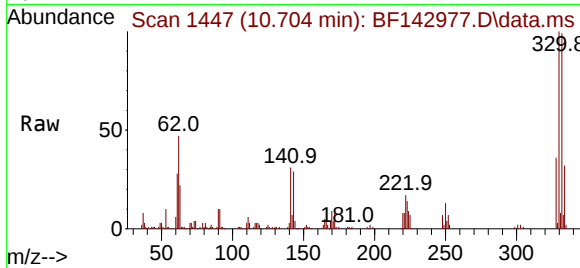




#67
4-Bromophenyl-phenylether
Concen: 2.552 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

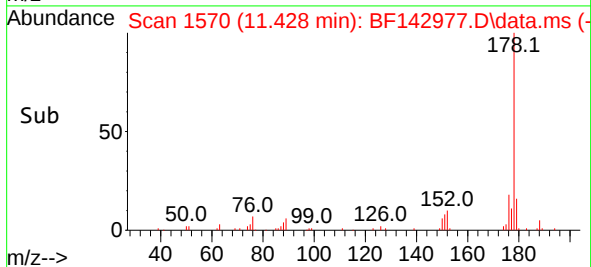
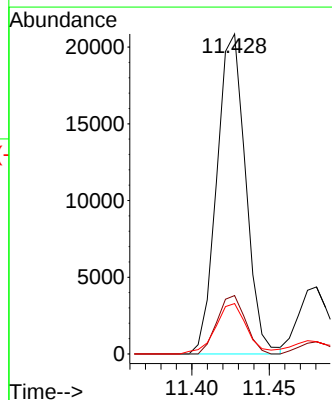
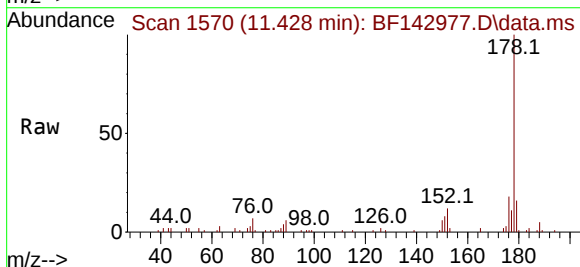
Instrument :
BNA_F
ClientSampleId :
TP-66

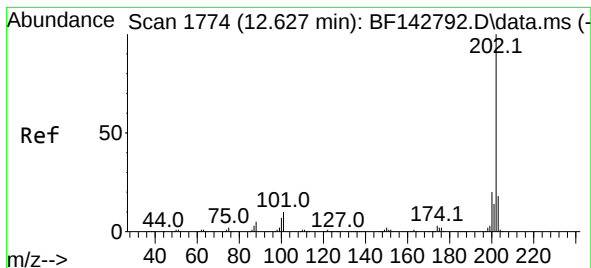
Tgt Ion:248 Resp: 4502
Ion Ratio Lower Upper
248 100
250 202.5 79.8 119.8#
141 475.7 57.8 86.6#



#71
Phenanthrene
Concen: 3.220 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:178 Resp: 27035
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 15.7 12.0 18.0





#75

Fluoranthene

Concen: 16.358 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TP-66

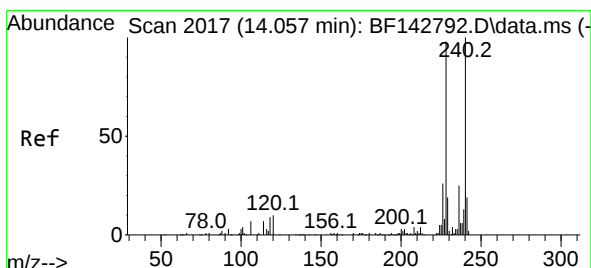
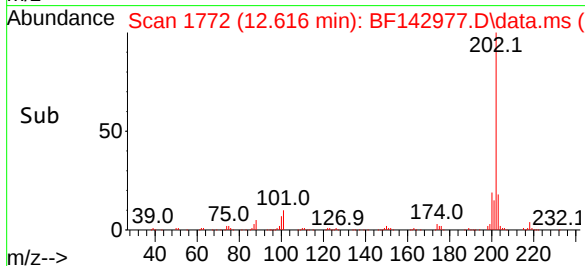
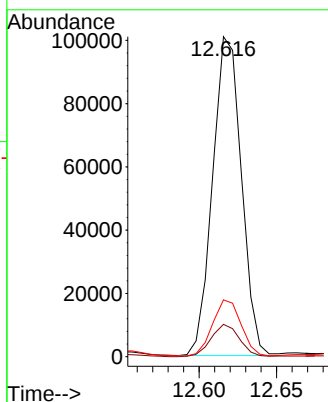
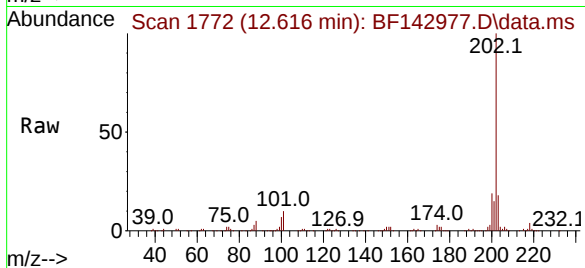
Tgt Ion:202 Resp: 130342

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.7

203 17.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

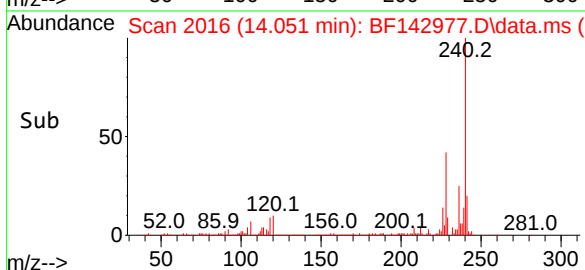
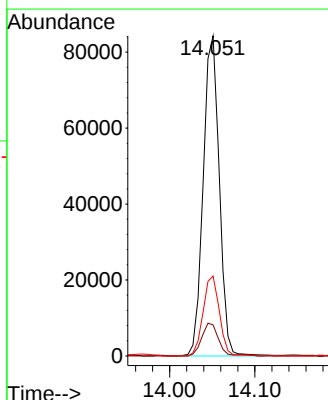
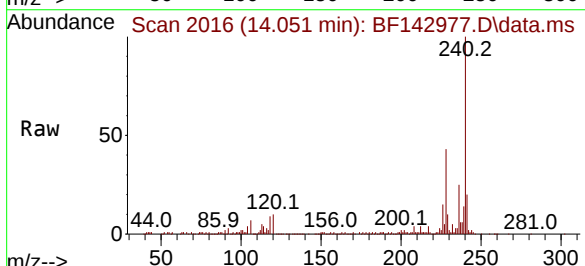
Tgt Ion:240 Resp: 110689

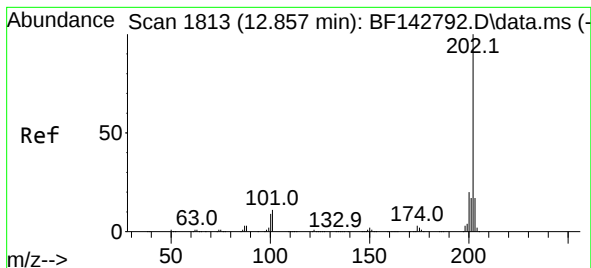
Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

236 25.0 19.8 29.8





#78

Pyrene

Concen: 17.334 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TP-66

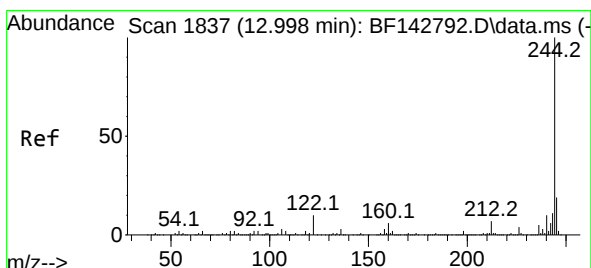
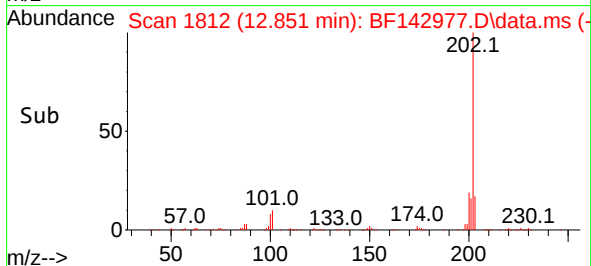
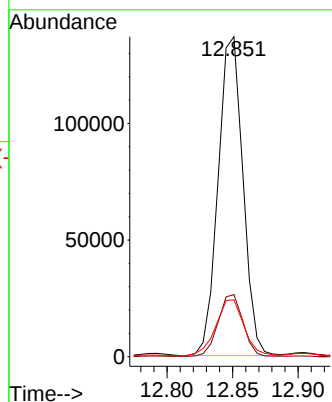
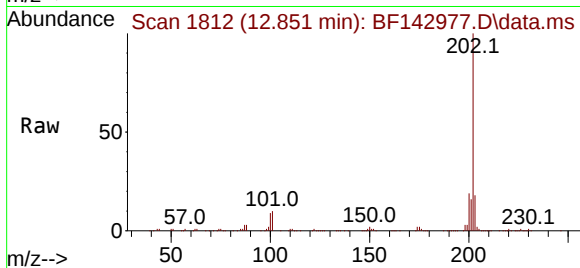
Tgt Ion:202 Resp: 179849

Ion Ratio Lower Upper

202 100

200 19.4 15.7 23.5

203 17.8 13.8 20.6



#79

Terphenyl-d14

Concen: 28.470 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

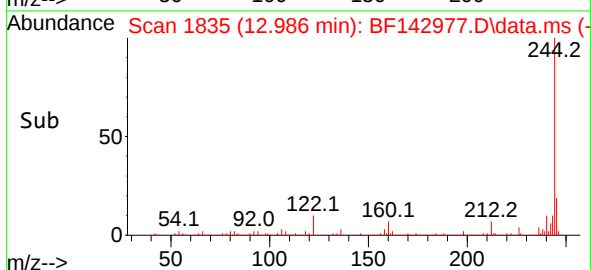
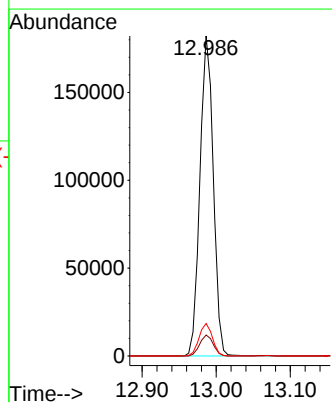
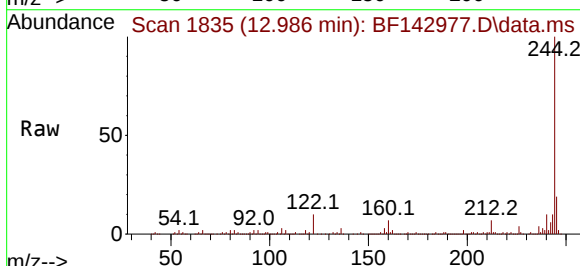
Tgt Ion:244 Resp: 228076

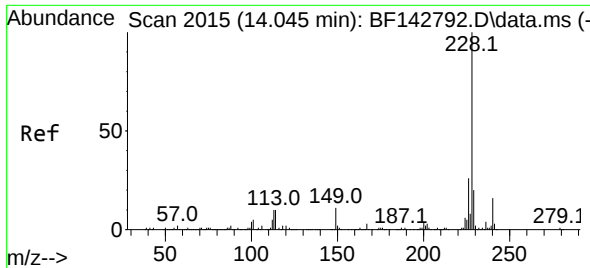
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.1 8.2 12.2

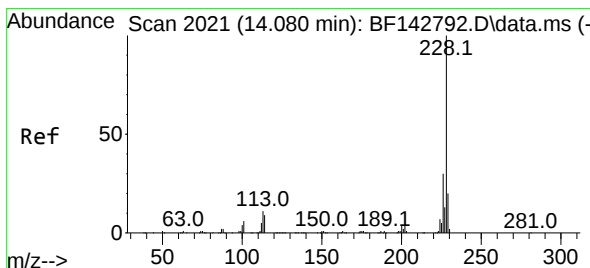
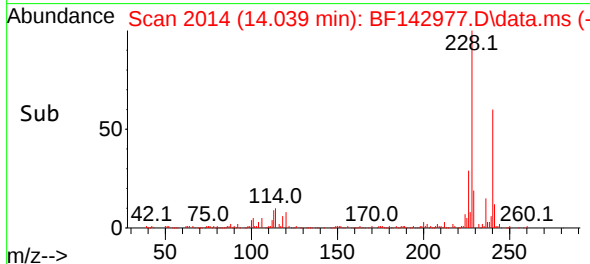
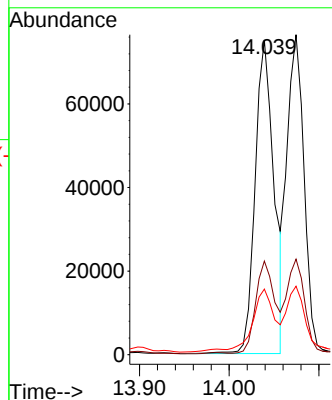
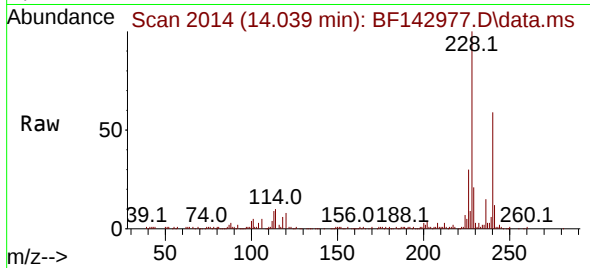




#81
Benzo(a)anthracene
Concen: 14.678 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

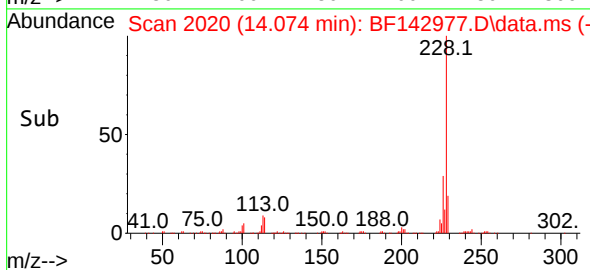
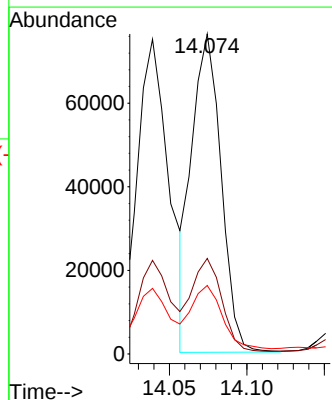
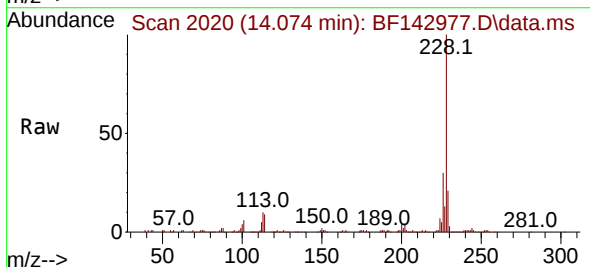
Instrument :
BNA_F
ClientSampleId :
TP-66

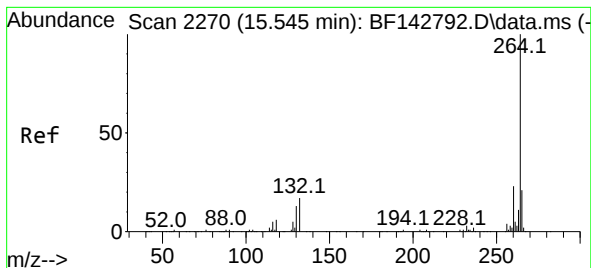
Tgt Ion:228 Resp: 109600
Ion Ratio Lower Upper
228 100
226 29.8 21.2 31.8
229 20.9 15.6 23.4



#83
Chrysene
Concen: 15.019 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:228 Resp: 100071
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 21.4 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TP-66

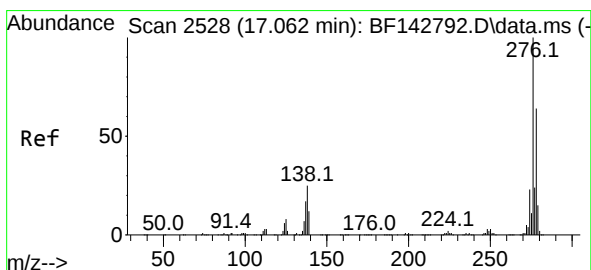
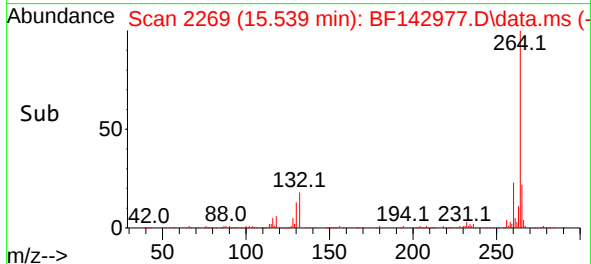
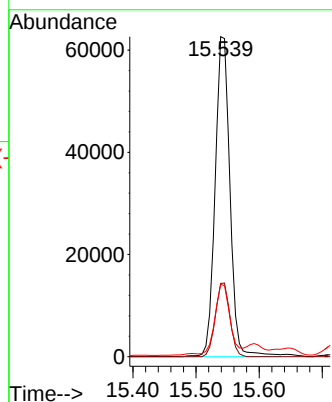
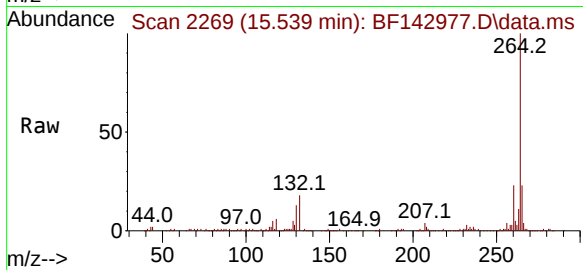
Tgt Ion:264 Resp: 101919

Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

265 22.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.410 ng

RT: 17.045 min Scan# 2525

Delta R.T. -0.017 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

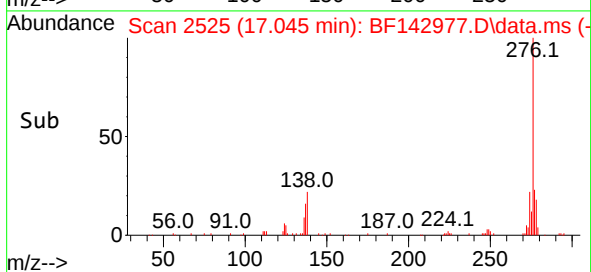
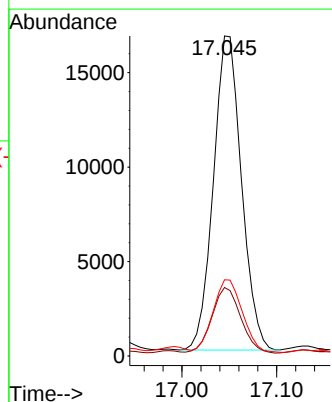
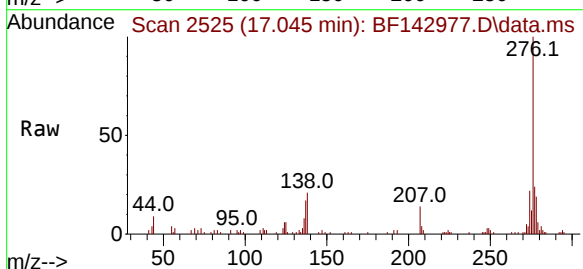
Tgt Ion:276 Resp: 34234

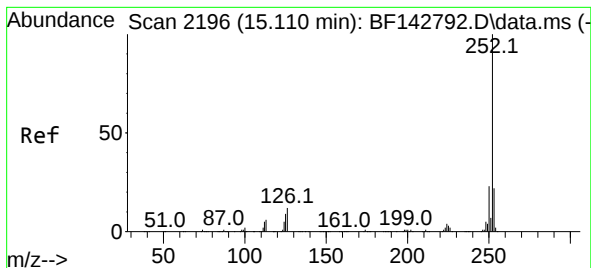
Ion Ratio Lower Upper

276 100

138 21.4 20.2 30.4

277 24.2 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 25.945 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TP-66

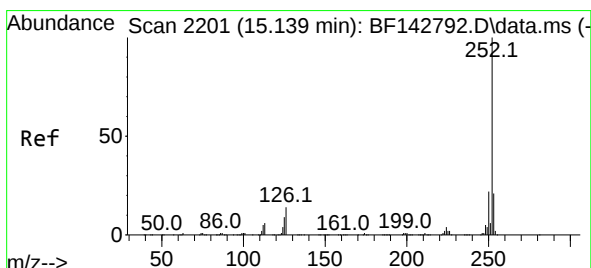
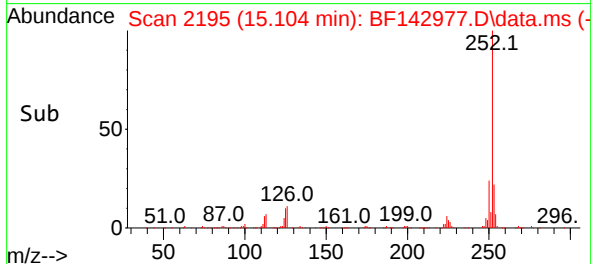
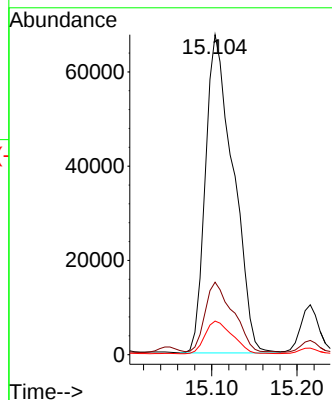
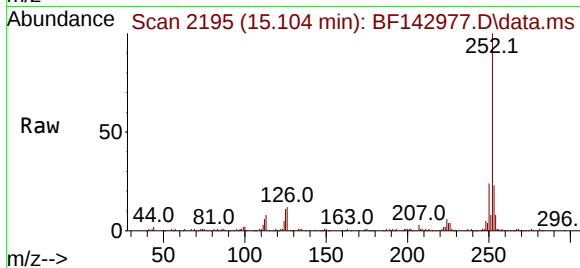
Tgt Ion:252 Resp: 153009

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.5 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 27.731 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142977.D

Acq: 02 Jul 2025 18:20

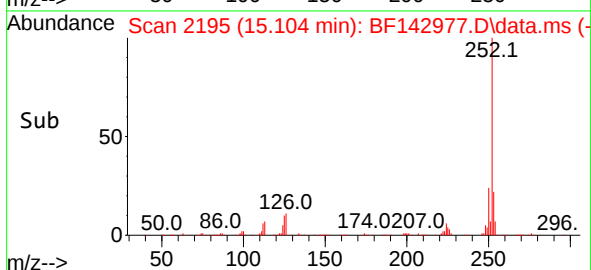
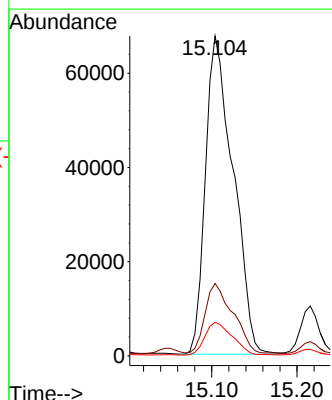
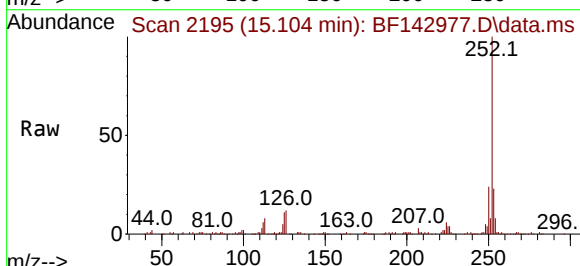
Tgt Ion:252 Resp: 153009

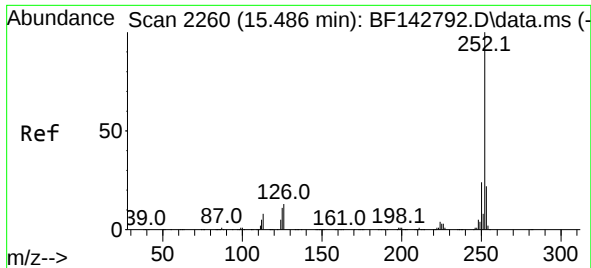
Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 10.5 7.4 11.2

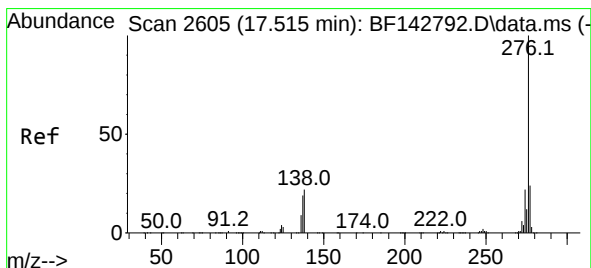
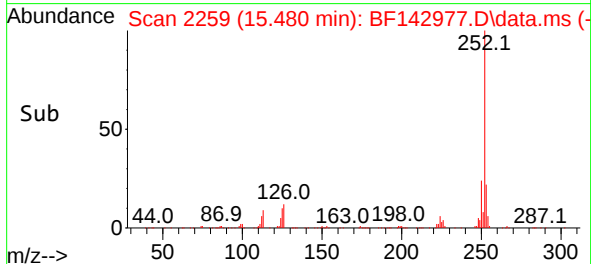
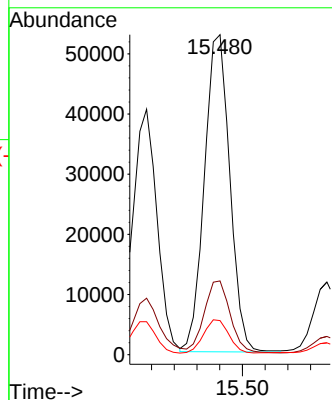
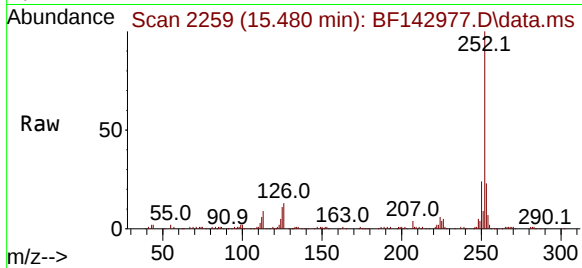




#90
Benzo(a)pyrene
Concen: 14.395 ng
RT: 15.480 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:252 Resp: 82011
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.7 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 5.638 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:276 Resp: 35460
Ion Ratio Lower Upper
276 100
277 24.2 18.8 28.2
138 21.6 17.6 26.4

