

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142978.D
 Acq On : 02 Jul 2025 18:50
 Operator : RC/JU
 Sample : Q2458-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-76

Quant Time: Jul 03 01:07:48 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

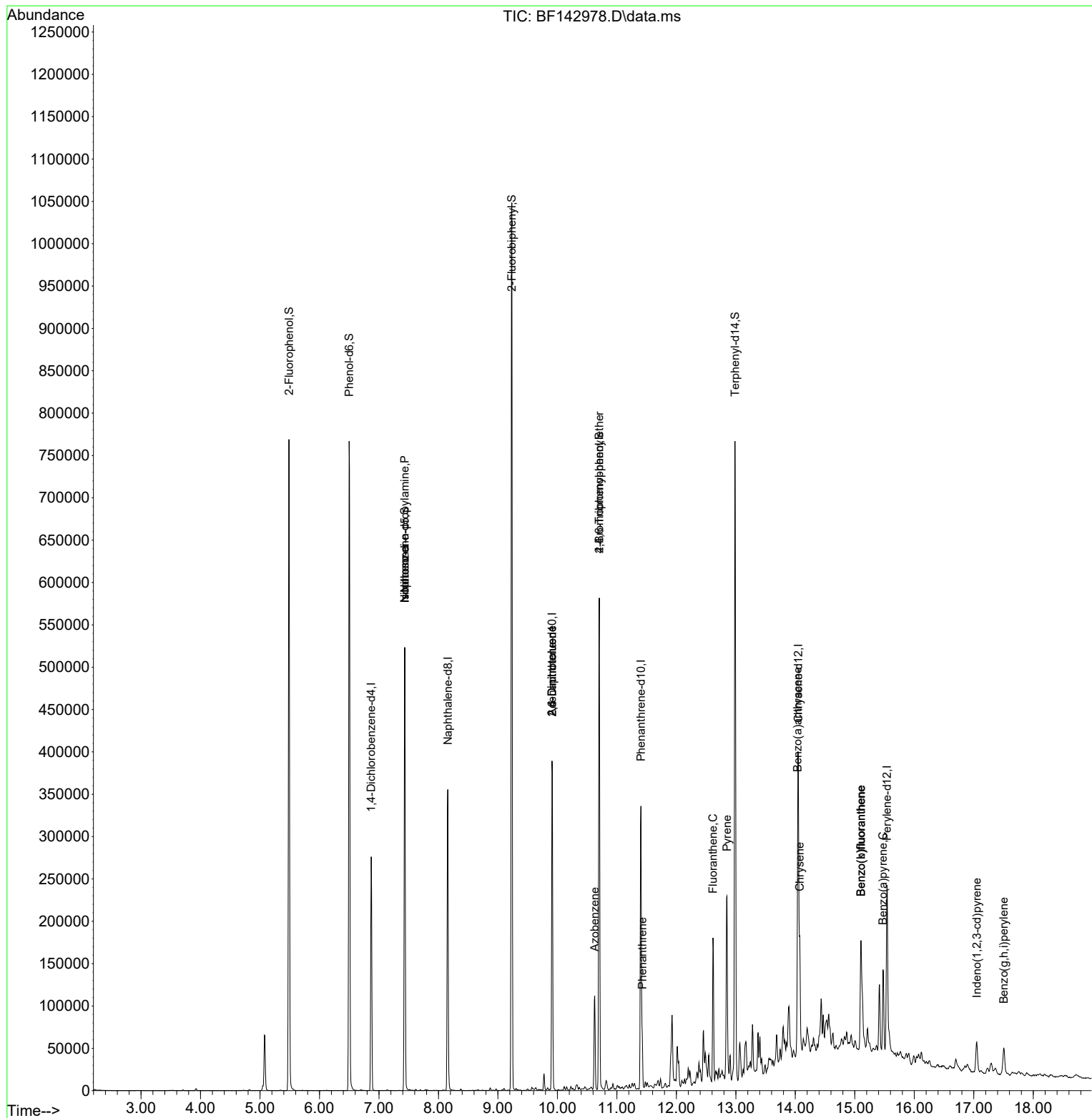
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	60838	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	230820	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	119279	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	177718	20.000	ng	0.00
76) Chrysene-d12	14.051	240	132715	20.000	ng	0.00
86) Perylene-d12	15.539	264	116845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293577	80.342	ng	0.00
7) Phenol-d6	6.498	99	357056	82.822	ng	-0.01
23) Nitrobenzene-d5	7.434	82	217595	51.708	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	97453	79.394	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	485442	53.464	ng	-0.01
79) Terphenyl-d14	12.986	244	354954	36.954	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	28608	11.410	ng	# 75
25) Isophorone	7.434	82	217533	32.225	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	15888	9.370	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	15888	7.054	ng	# 27
63) Azobenzene	10.627	77	25621	3.787	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6616	3.271	ng	# 1
71) Phenanthrene	11.427	178	34643	3.599	ng	99
75) Fluoranthene	12.616	202	94671	10.362	ng	99
78) Pyrene	12.851	202	130704	10.507	ng	99
81) Benzo(a)anthracene	14.039	228	78067	8.720	ng	93
83) Chrysene	14.074	228	70229	8.791	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	26510	2.979	ng	# 93
88) Benzo(b)fluoranthene	15.104	252	104456	15.449	ng	97
89) Benzo(k)fluoranthene	15.104	252	104456	16.513	ng	97
90) Benzo(a)pyrene	15.474	252	55182	8.448	ng	98
92) Benzo(g,h,i)perylene	17.503	276	29453	4.085	ng	97

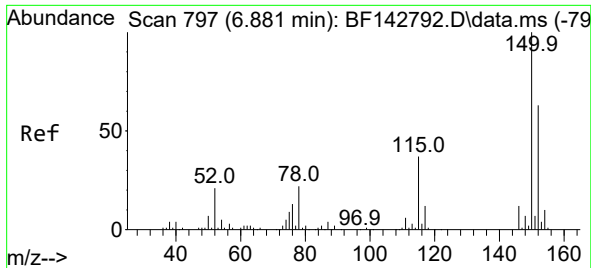
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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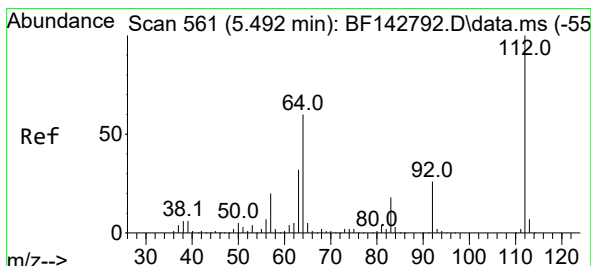
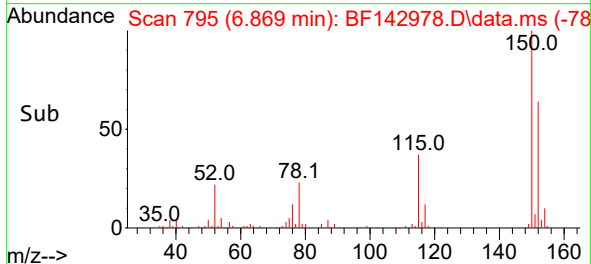
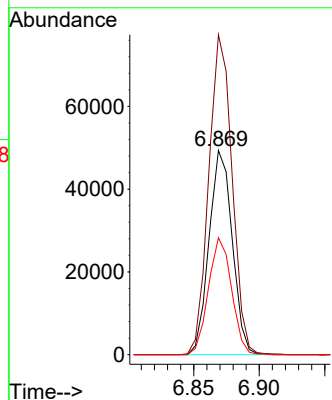
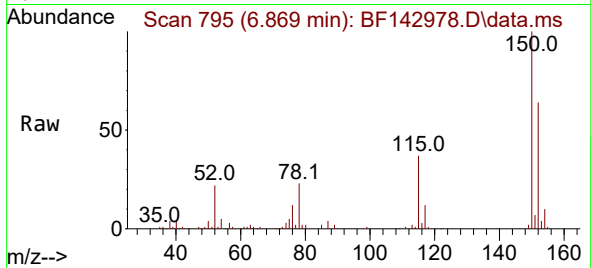




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

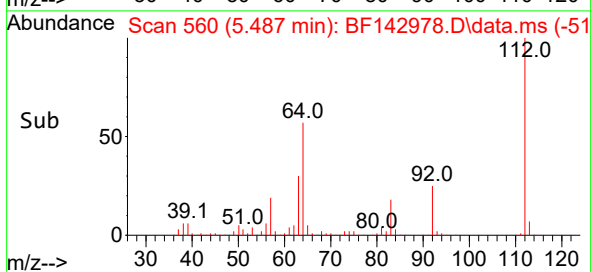
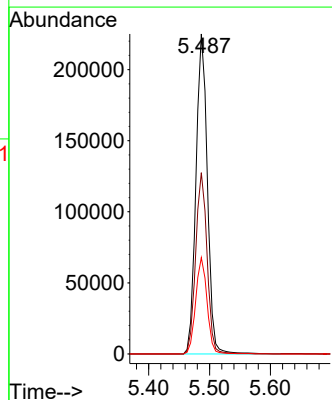
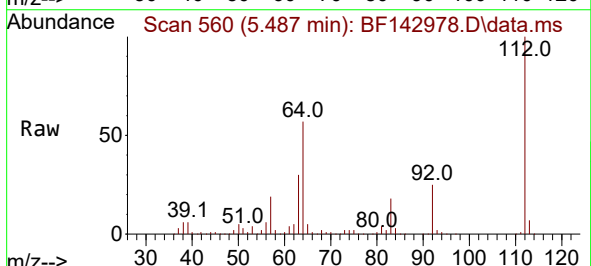
Instrument :
BNA_F
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TP-76

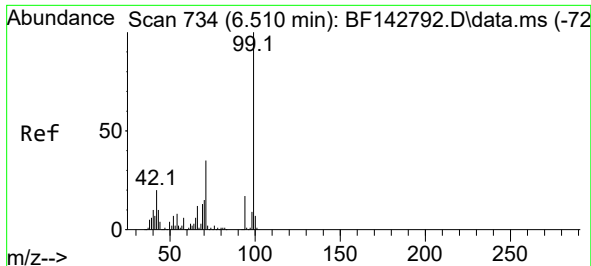
Tgt Ion:152 Resp: 60838
Ion Ratio Lower Upper
152 100
150 156.7 127.2 190.8
115 57.2 46.6 69.8



#5
2-Fluorophenol
Concen: 80.342 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:112 Resp: 293577
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 30.1 25.7 38.5





#7

Phenol-d6

Concen: 82.822 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-76

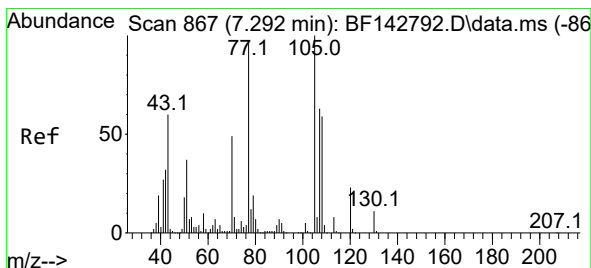
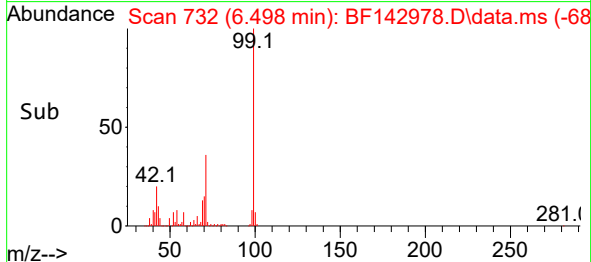
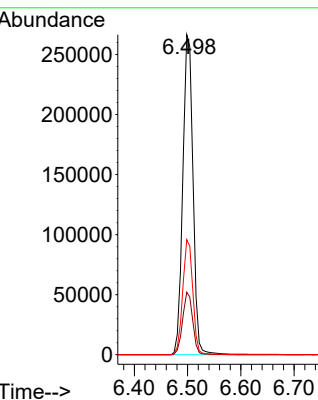
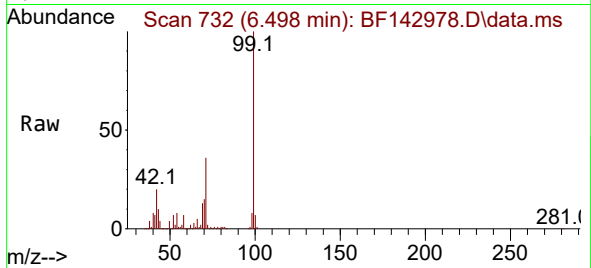
Tgt Ion: 99 Resp: 357056

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 35.9 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.410 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Tgt Ion: 70 Resp: 28608

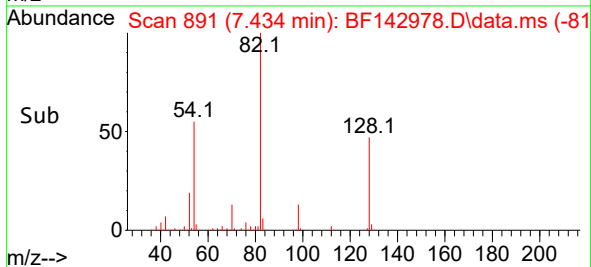
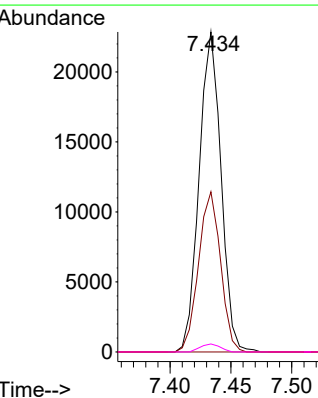
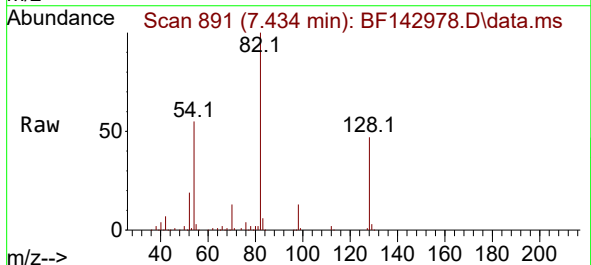
Ion Ratio Lower Upper

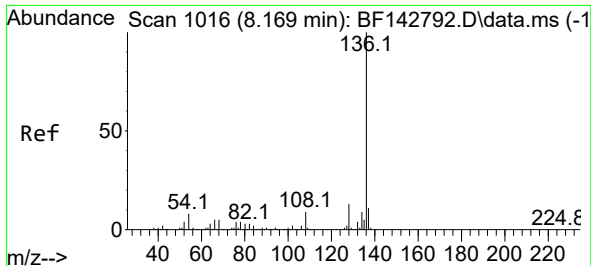
70 100

42 50.0 52.1 78.1#

101 0.0 8.2 12.2#

130 2.5 18.2 27.2#

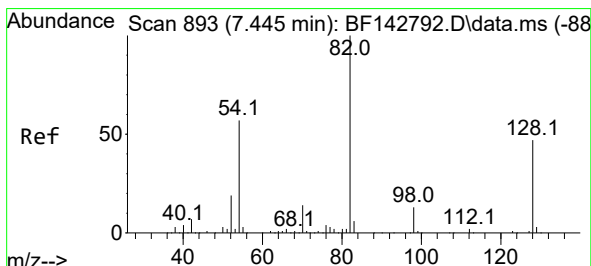
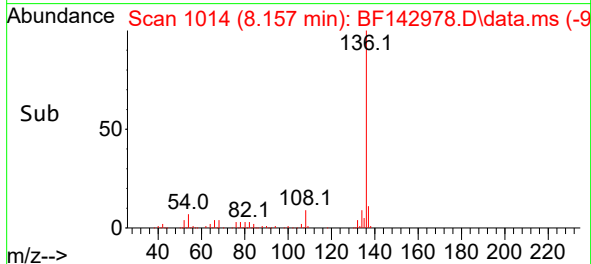
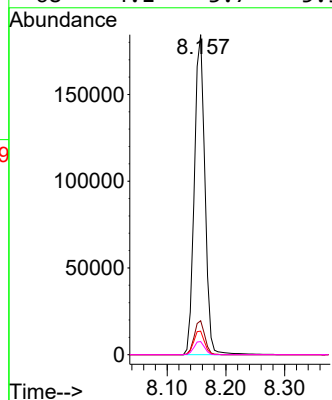
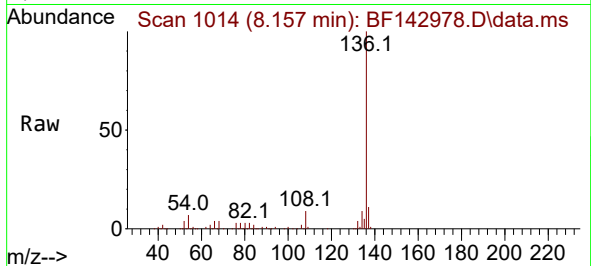




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

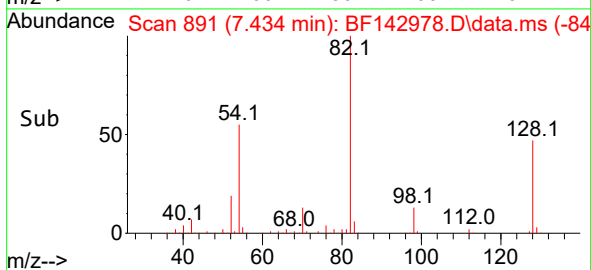
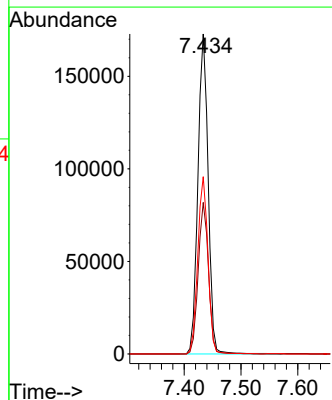
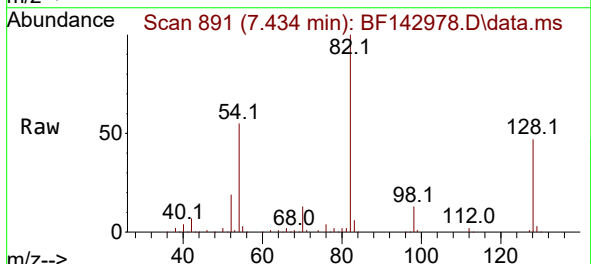
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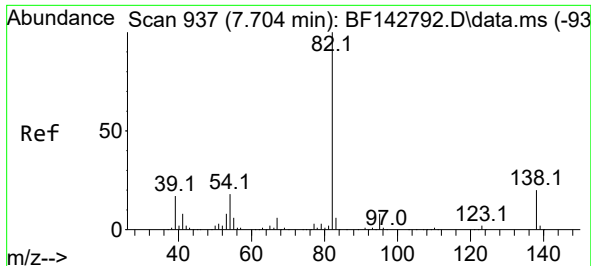
Tgt Ion:136 Resp: 230820
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.3 6.3 9.5
68 4.1 3.7 5.5



#23
Nitrobenzene-d5
Concen: 51.708 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion: 82 Resp: 217595
Ion Ratio Lower Upper
82 100
128 47.3 37.7 56.5
54 55.4 45.7 68.5

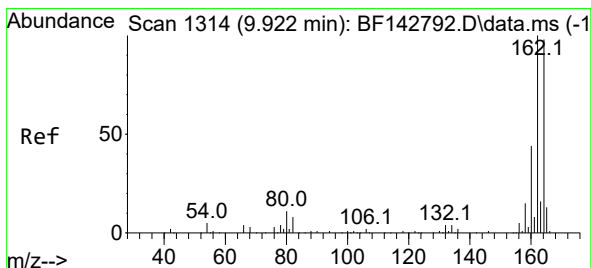
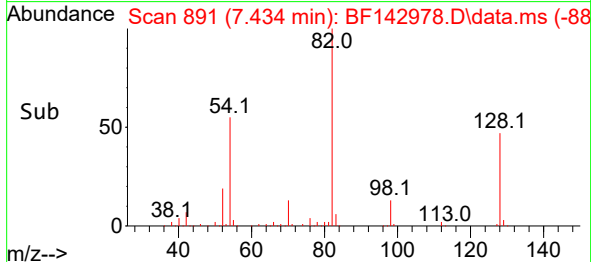
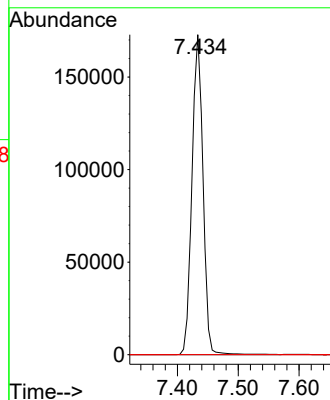
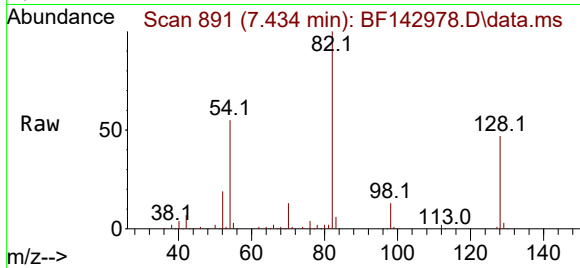




#25
Isophorone
Concen: 32.225 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

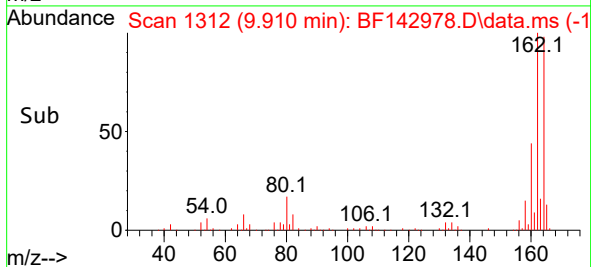
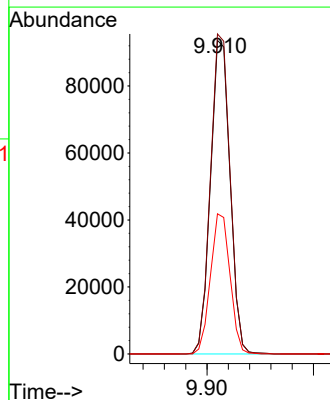
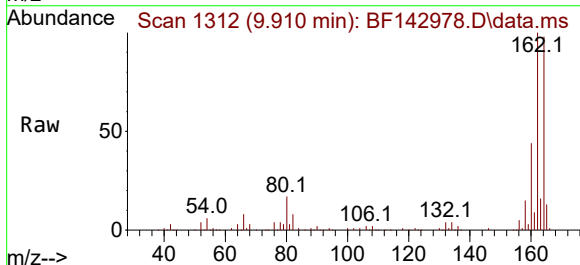
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ClientSampleId :
TP-76

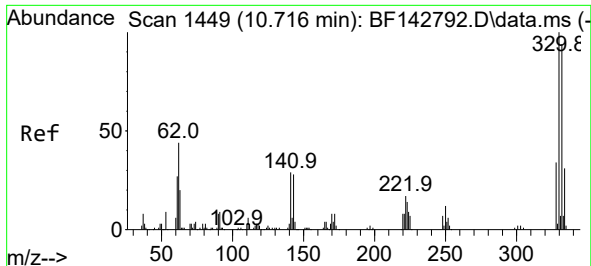
Tgt Ion: 82 Resp: 217533
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

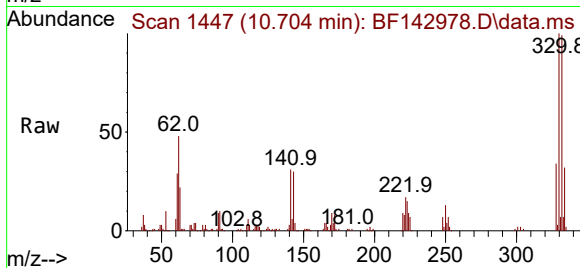
Tgt Ion:164 Resp: 119279
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.8
160 44.7 36.0 54.0



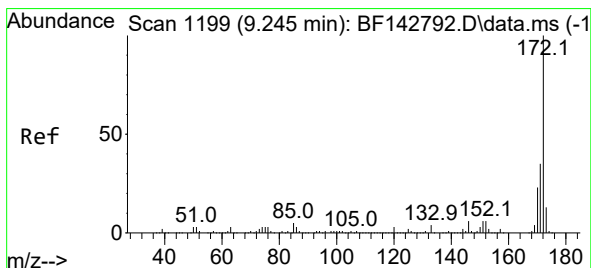
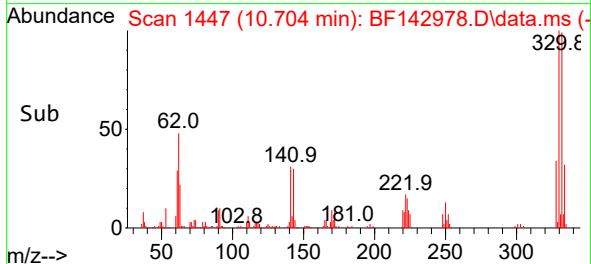
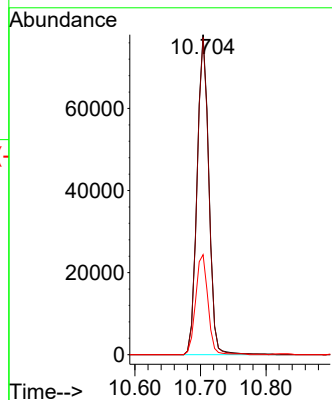


#42
2,4,6-Tribromophenol
Concen: 79.394 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

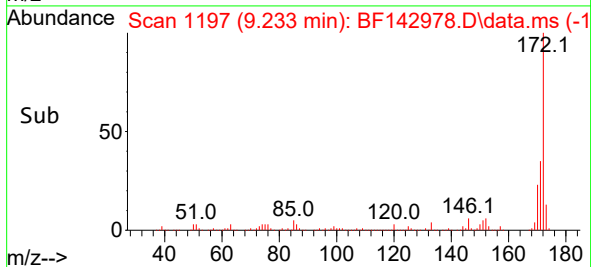
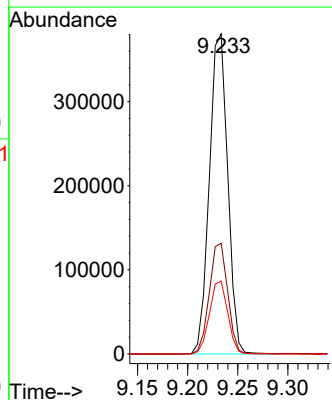
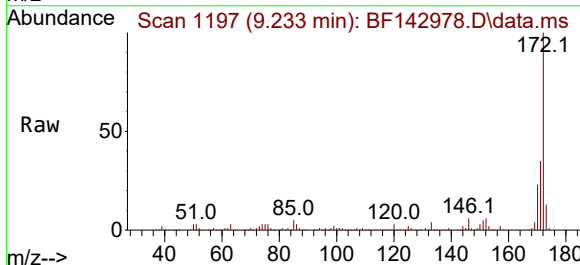


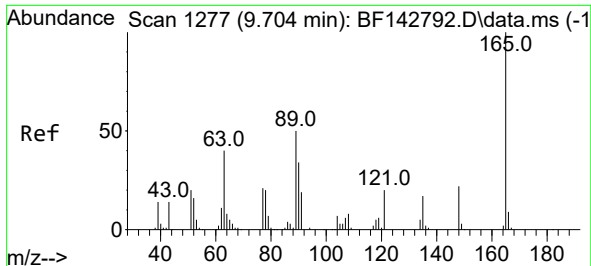
Tgt Ion: 330 Resp: 97453
Ion Ratio Lower Upper
330 100
332 98.6 75.0 112.6
141 32.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 53.464 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion: 172 Resp: 485442
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 22.7 18.5 27.7

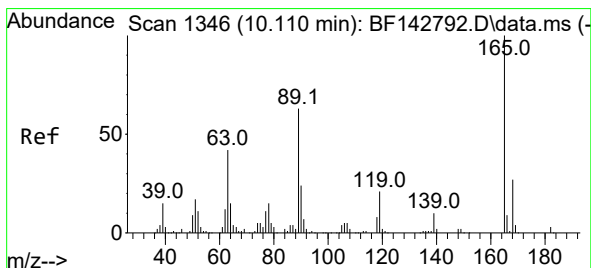
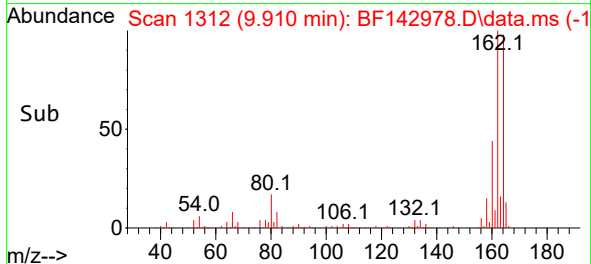
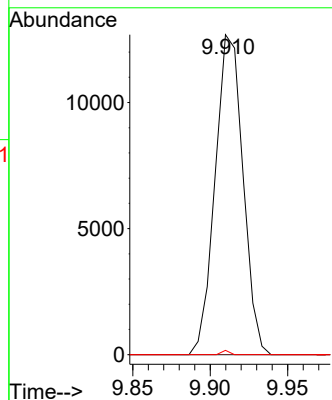
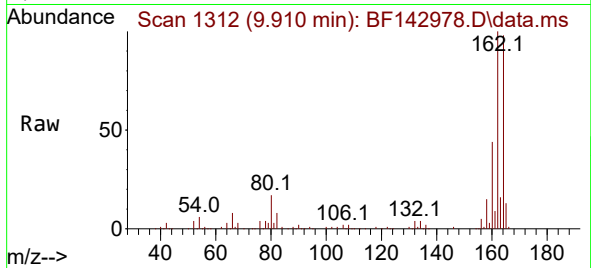




#51
2,6-Dinitrotoluene
Concen: 9.370 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

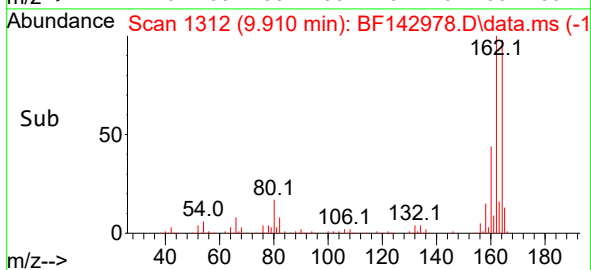
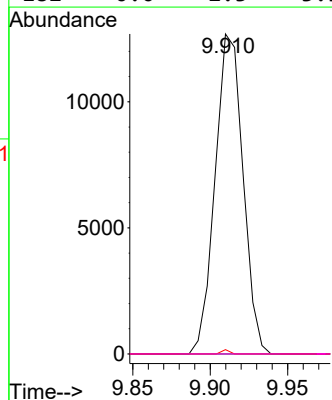
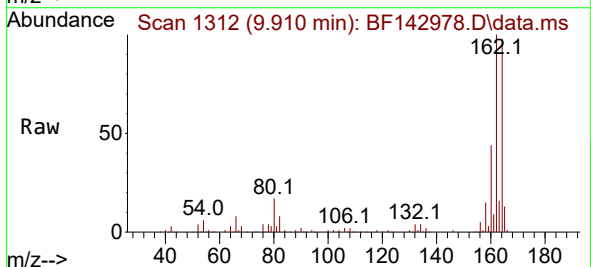
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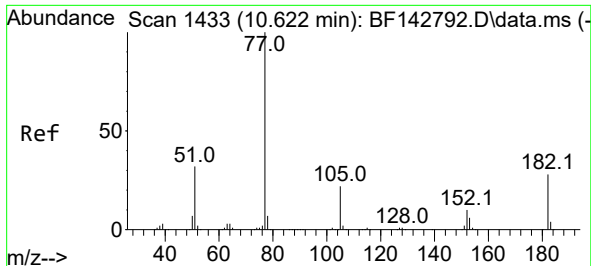
Tgt Ion:165 Resp: 15888
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.3 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.054 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:165 Resp: 15888
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.3 50.6 75.8#
182 0.0 2.3 3.5#

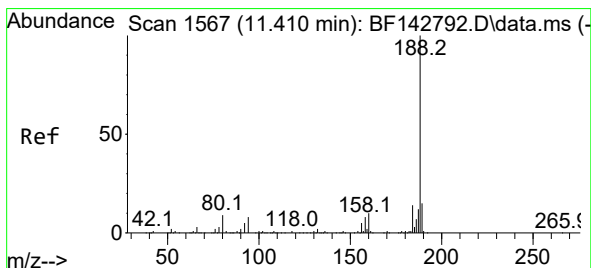
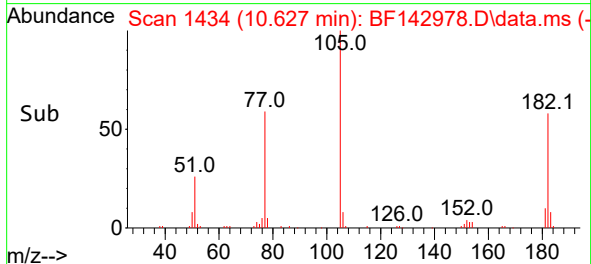
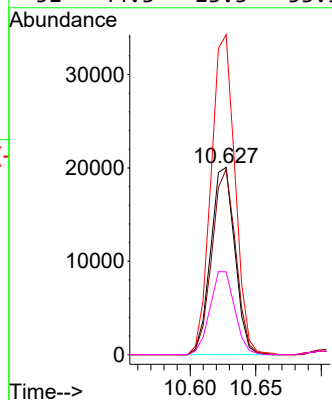
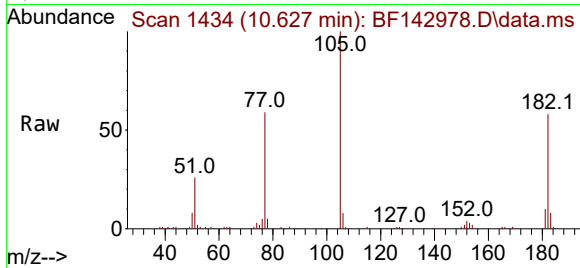




#63
Azobenzene
Concen: 3.787 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

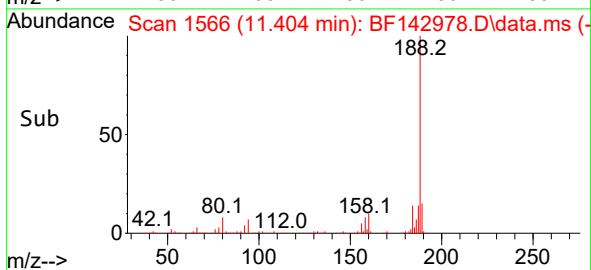
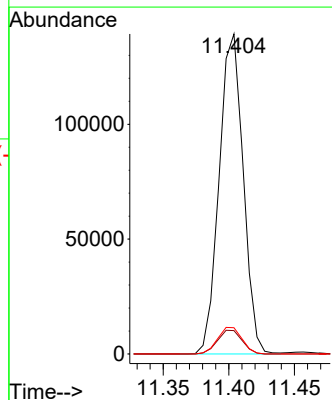
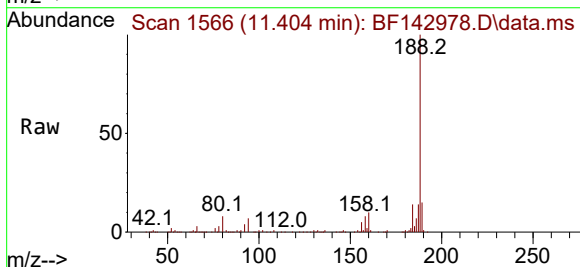
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TP-76

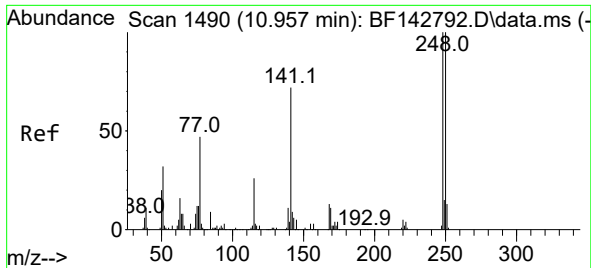
Tgt Ion: 77 Resp: 25621
Ion Ratio Lower Upper
77 100
182 98.9 7.7 47.7#
105 170.8 1.9 41.9#
51 44.3 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion: 188 Resp: 177718
Ion Ratio Lower Upper
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94 7.3 6.7 10.1
80 8.2 6.9 10.3

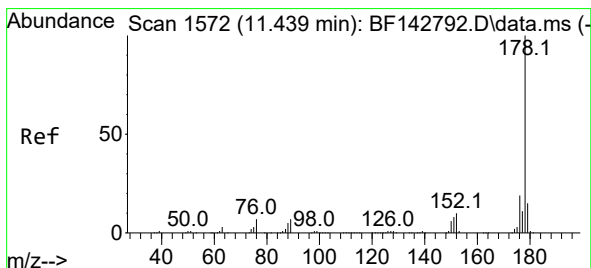
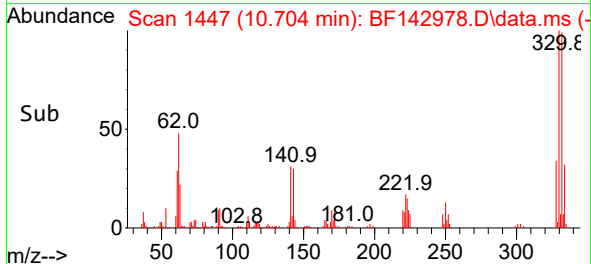
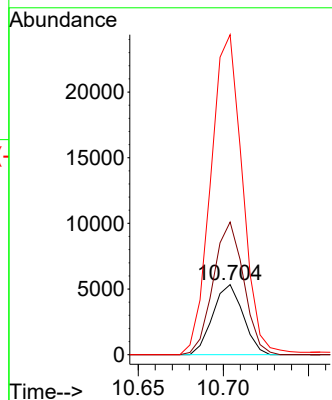
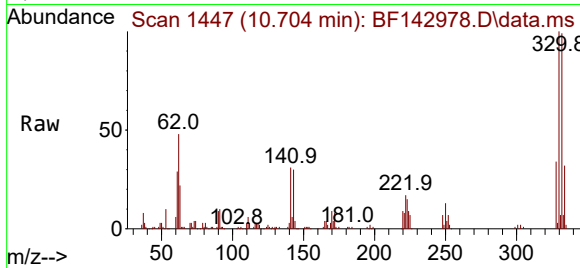




#67
4-Bromophenyl-phenylether
Concen: 3.271 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

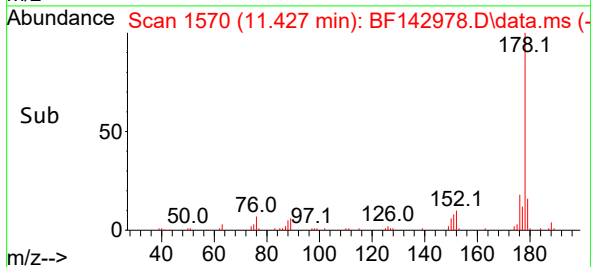
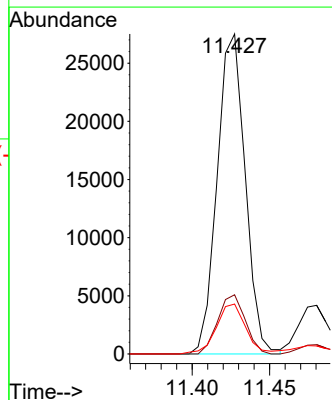
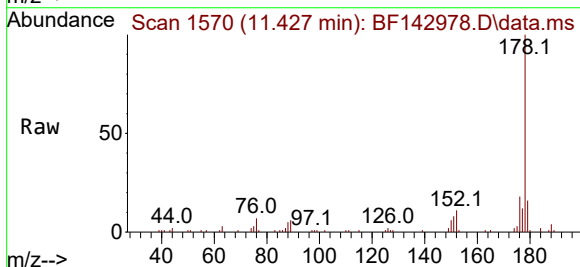
Instrument :
BNA_F
ClientSampleId :
TP-76

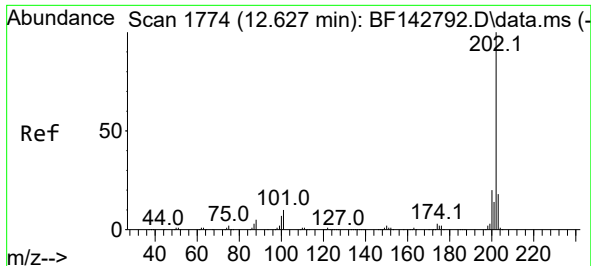
Tgt Ion:248 Resp: 6616
Ion Ratio Lower Upper
248 100
250 189.2 79.8 119.8#
141 456.2 57.8 86.6#



#71
Phenanthrene
Concen: 3.599 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:178 Resp: 34643
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.6 12.0 18.0

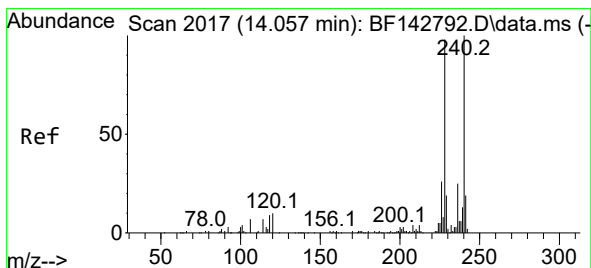
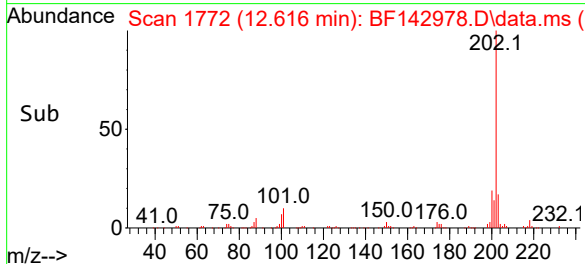
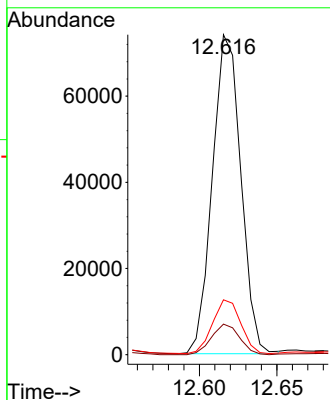
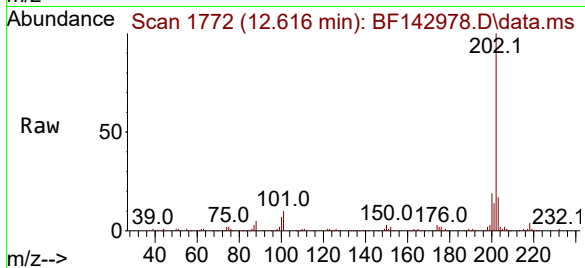




#75
Fluoranthene
Concen: 10.362 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

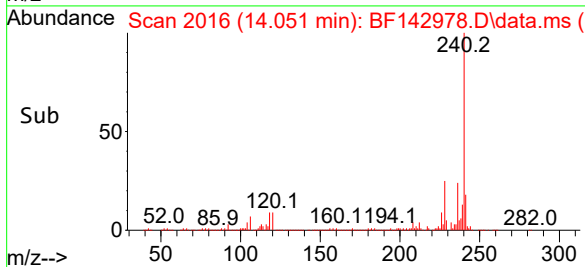
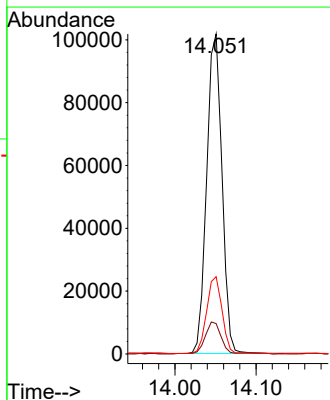
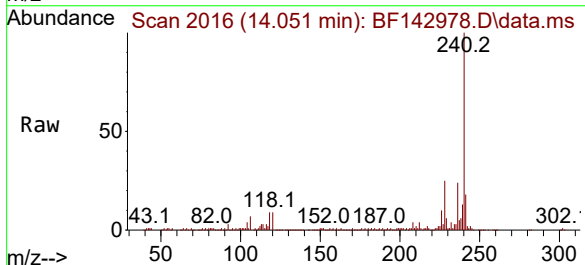
Instrument :
BNA_F
ClientSampleId :
TP-76

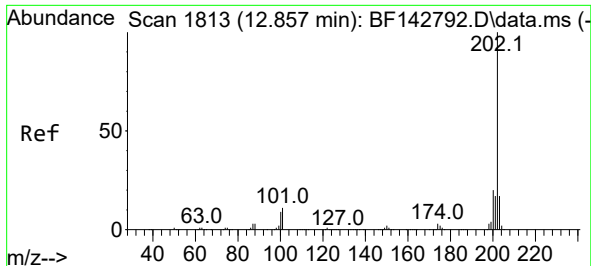
Tgt Ion:202 Resp: 94671
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.7
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:240 Resp: 132715
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.2
236 24.2 19.8 29.8

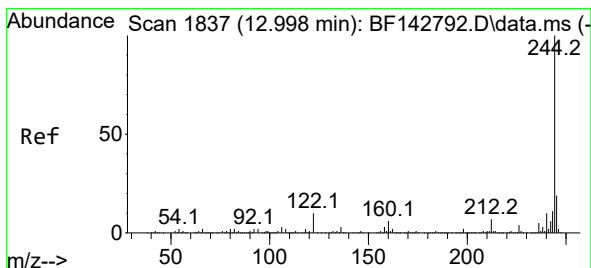
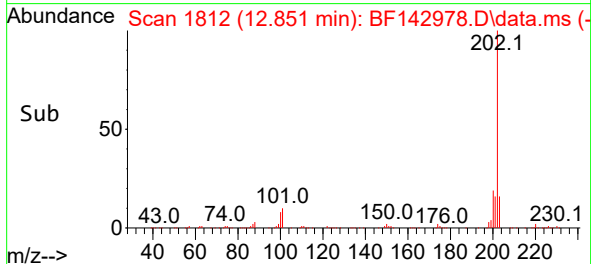
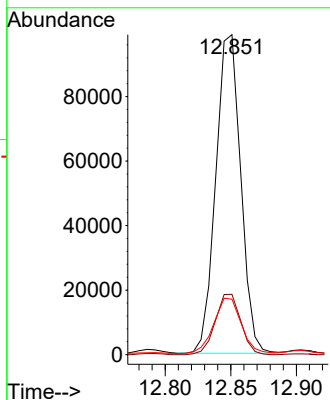
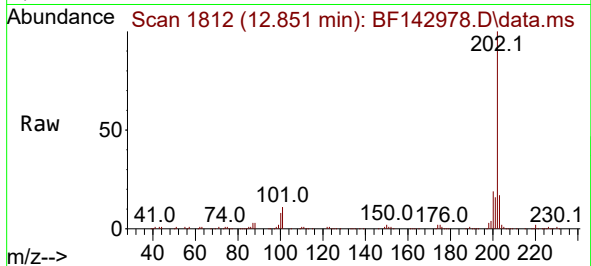




#78
Pyrene
Concen: 10.507 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

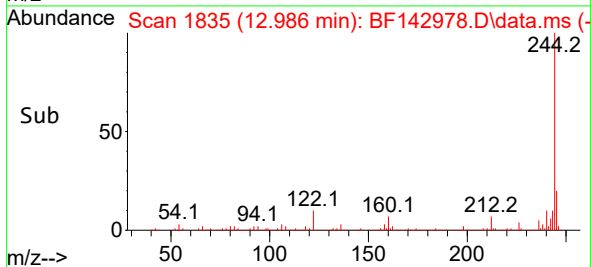
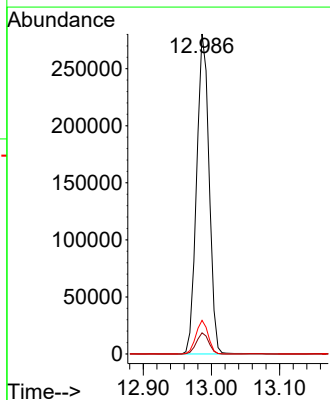
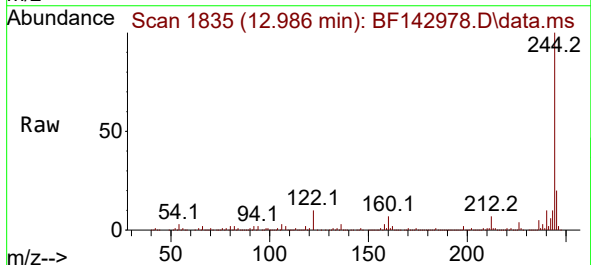
Instrument :
BNA_F
ClientSampleId :
TP-76

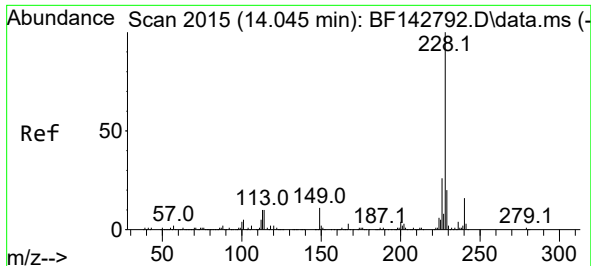
Tgt Ion:202 Resp: 130704
Ion Ratio Lower Upper
202 100
200 18.9 15.7 23.5
203 17.3 13.8 20.6



#79
Terphenyl-d14
Concen: 36.954 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:244 Resp: 354954
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.5 8.2 12.2

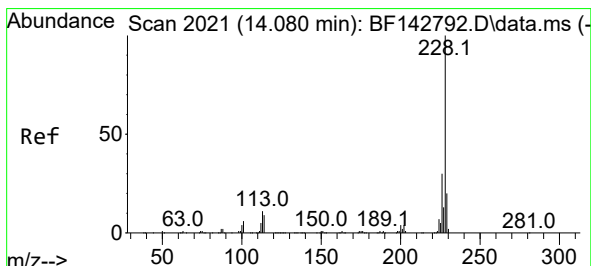
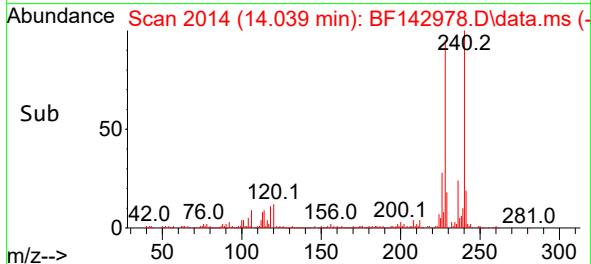
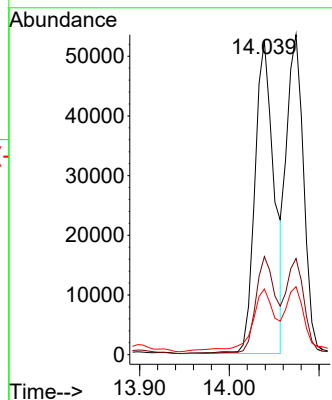
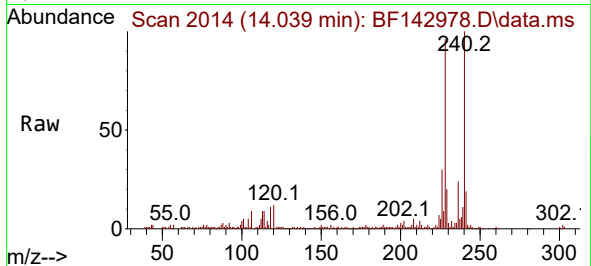




#81
Benzo(a)anthracene
Concen: 8.720 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

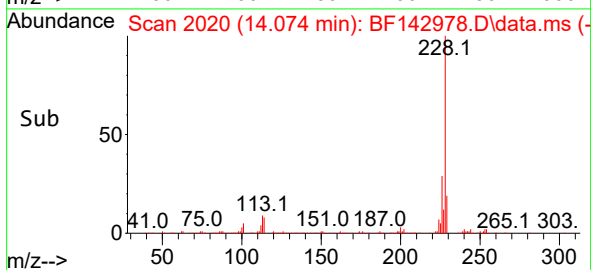
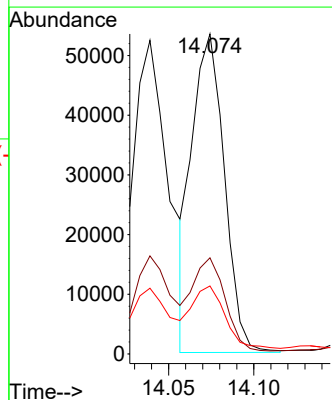
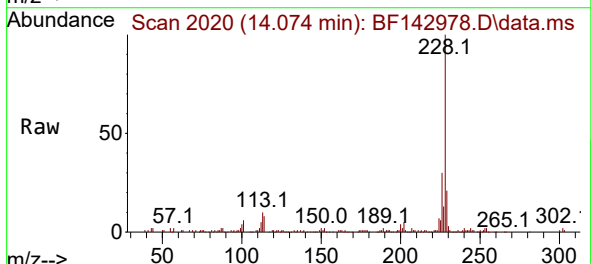
Instrument :
BNA_F
ClientSampleId :
TP-76

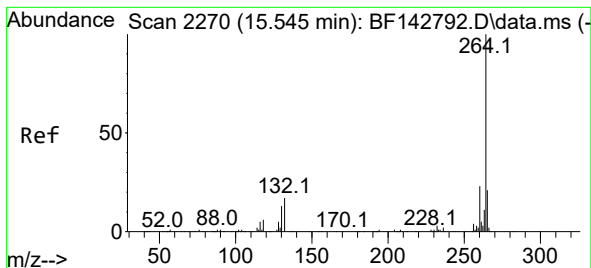
Tgt Ion:228 Resp: 78067
Ion Ratio Lower Upper
228 100
226 31.3 21.2 31.8
229 21.0 15.6 23.4



#83
Chrysene
Concen: 8.791 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:228 Resp: 70229
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 21.2 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: BF142978.D

Acq: 02 Jul 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-76

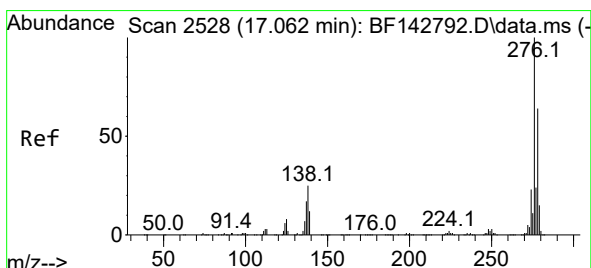
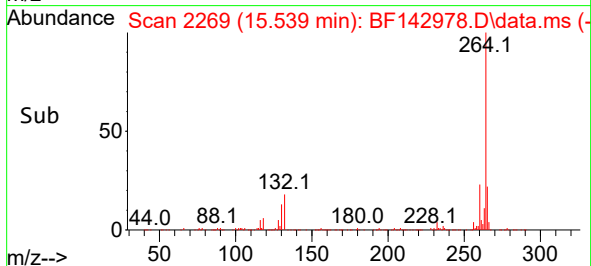
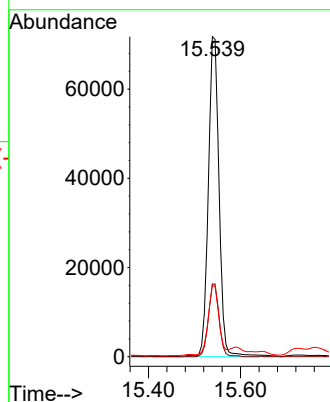
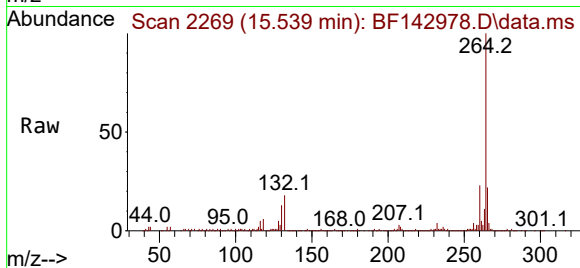
Tgt Ion:264 Resp: 116845

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 22.4 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.979 ng

RT: 17.051 min Scan# 2526

Delta R.T. -0.012 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

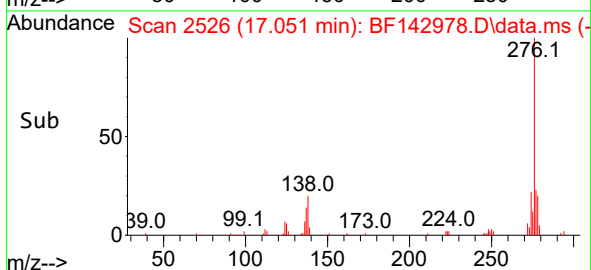
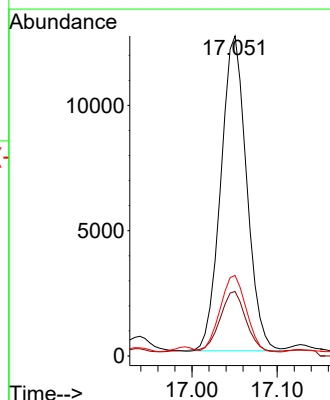
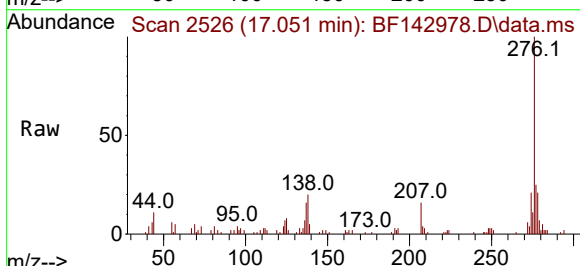
Tgt Ion:276 Resp: 26510

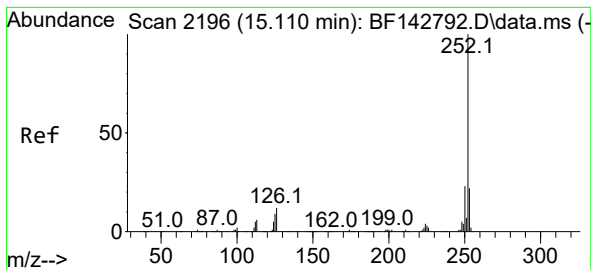
Ion Ratio Lower Upper

276 100

138 18.8 20.2 30.4#

277 25.4 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 15.449 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-76

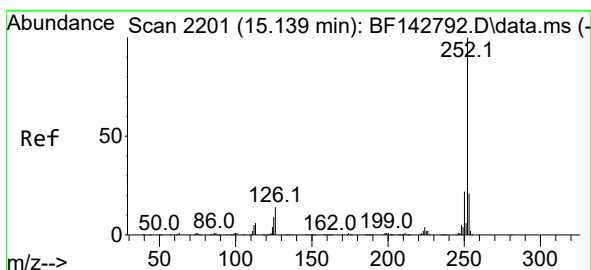
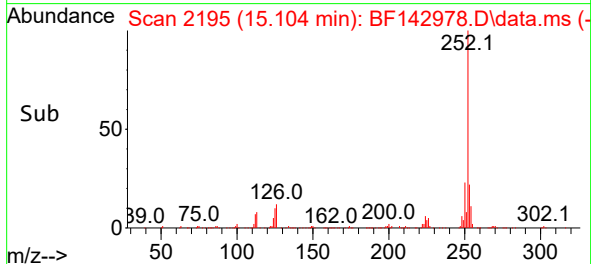
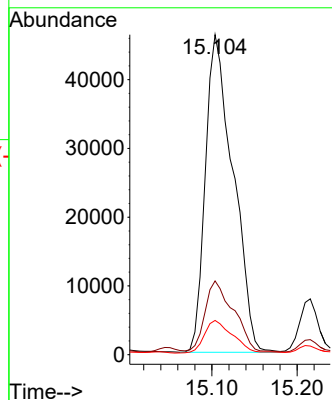
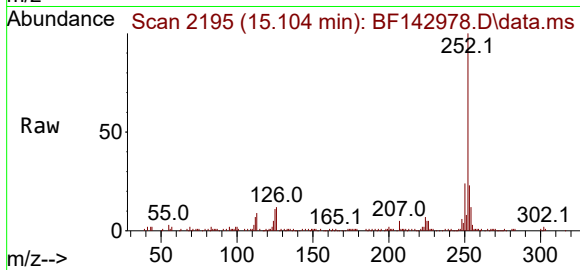
Tgt Ion:252 Resp: 104456

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 10.7 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 16.513 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

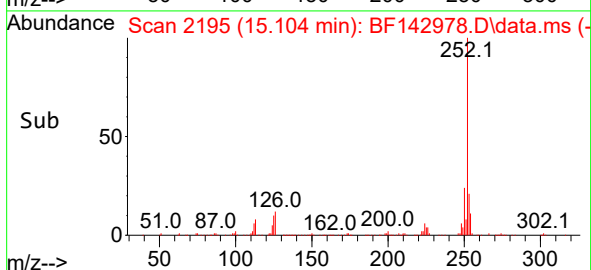
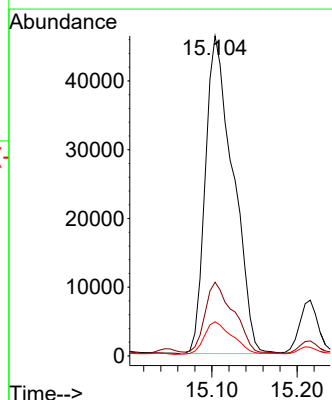
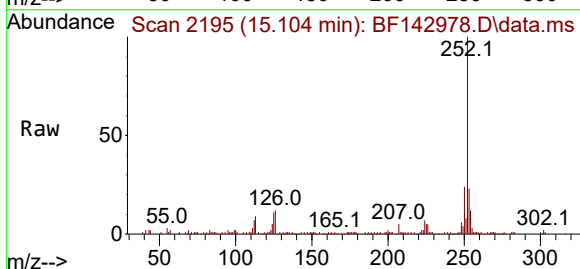
Tgt Ion:252 Resp: 104456

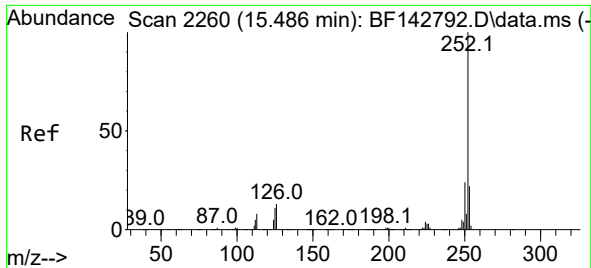
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 10.7 7.4 11.2

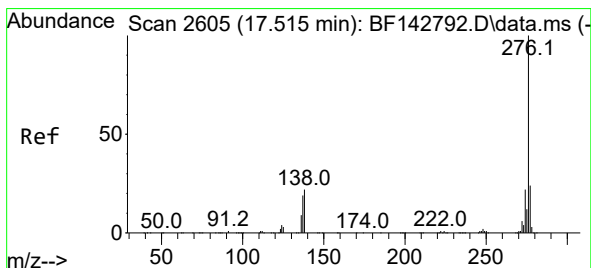
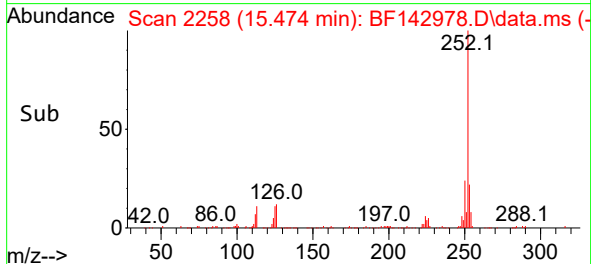
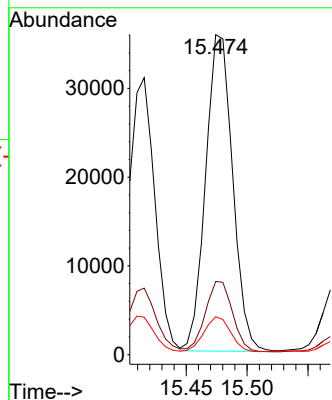
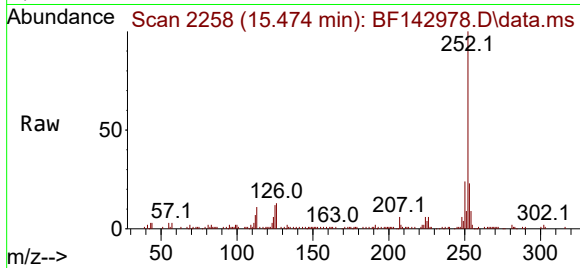




#90
Benzo(a)pyrene
Concen: 8.448 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

Tgt Ion:252 Resp: 55182
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 11.9 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 4.085 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:276 Resp: 29453
Ion Ratio Lower Upper
276 100
277 24.3 18.8 28.2
138 20.0 17.6 26.4

