

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142985.D
 Acq On : 02 Jul 2025 22:22
 Operator : RC/JU
 Sample : Q2458-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-55

Quant Time: Jul 03 01:10:39 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)

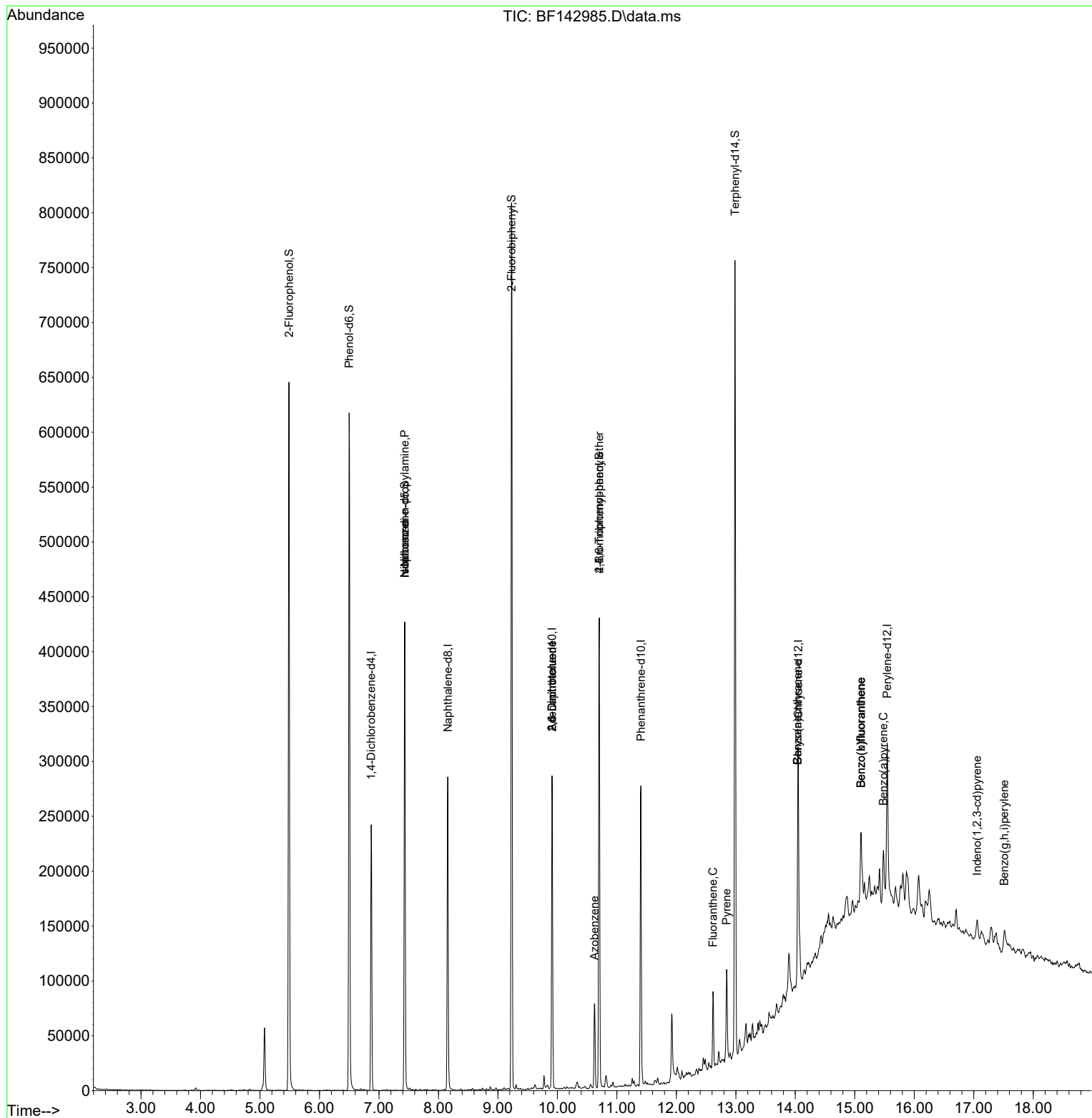
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	53273	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	184703	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	86853	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	146004	20.000	ng	0.00
76) Chrysene-d12	14.051	240	91233	20.000	ng	0.00
86) Perylene-d12	15.545	264	69801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	248352	77.617	ng	0.00
7) Phenol-d6	6.498	99	289993	76.818	ng	-0.01
23) Nitrobenzene-d5	7.434	82	178114	52.894	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	73433	82.160	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	367305	55.556	ng	-0.02
79) Terphenyl-d14	12.986	244	343356	52.000	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	23484	10.696	ng	# 76
25) Isophorone	7.434	82	178113	32.973	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	11328	9.175	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	11328	6.907	ng	# 26
63) Azobenzene	10.622	77	19222	3.902	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4568	2.749	ng	# 1
75) Fluoranthene	12.616	202	39489	5.261	ng	99
78) Pyrene	12.845	202	45931	5.371	ng	98
81) Benzo(a)anthracene	14.039	228	28893	4.695	ng	# 90
83) Chrysene	14.039	228	28893	5.261	ng	94
87) Indeno(1,2,3-cd)pyrene	17.057	276	13616	2.561	ng	94
88) Benzo(b)fluoranthene	15.104	252	39327	9.737	ng	# 77
89) Benzo(k)fluoranthene	15.104	252	39327	10.407	ng	# 76
90) Benzo(a)pyrene	15.480	252	21423	5.490	ng	# 88
92) Benzo(g,h,i)perylene	17.515	276	15818	3.672	ng	# 89

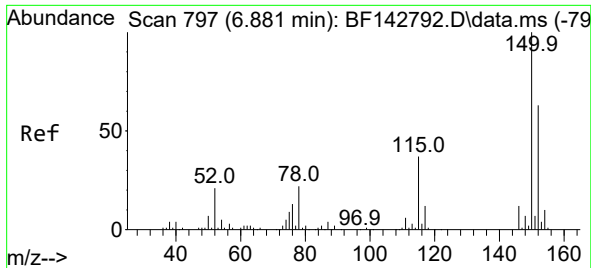
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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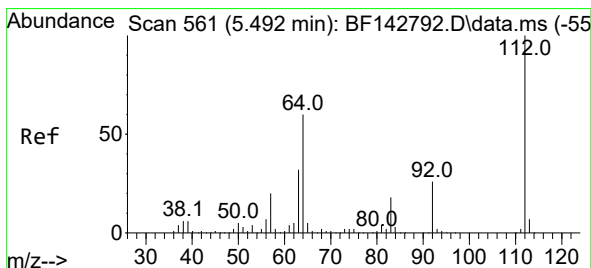
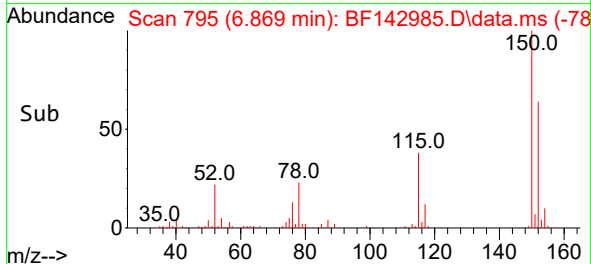
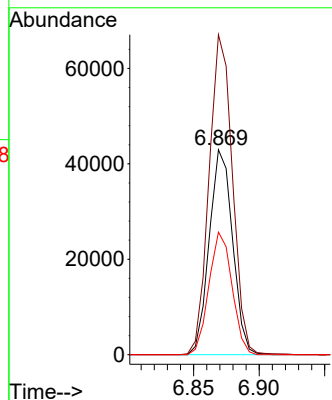
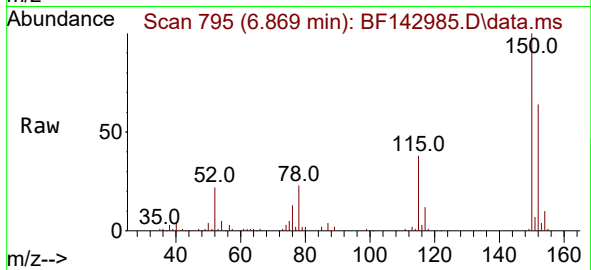




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

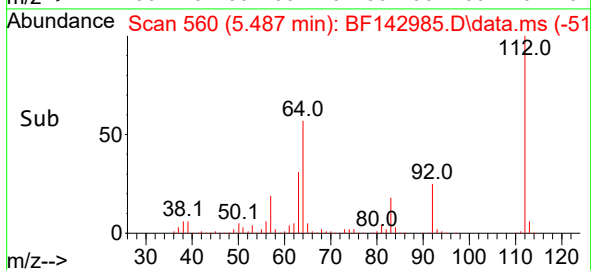
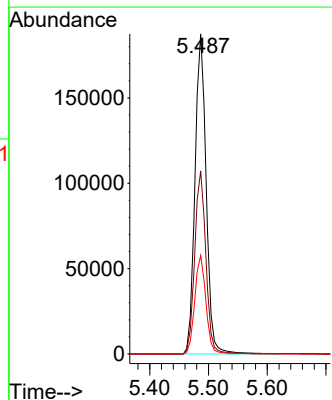
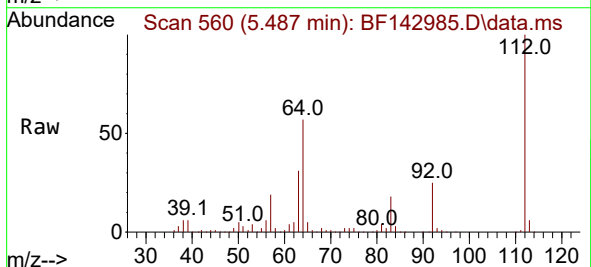
Instrument :
BNA_F
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TP-55

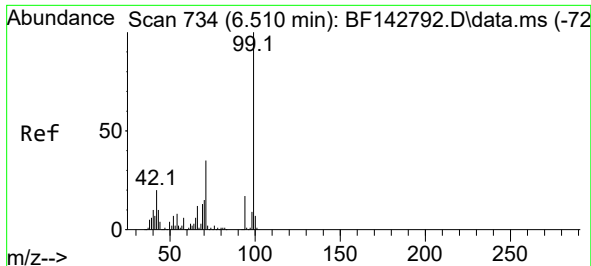
Tgt Ion:152 Resp: 53273
Ion Ratio Lower Upper
152 100
150 156.1 127.2 190.8
115 59.8 46.6 69.8



#5
2-Fluorophenol
Concen: 77.617 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:112 Resp: 248352
Ion Ratio Lower Upper
112 100
64 57.2 48.2 72.2
63 30.7 25.7 38.5





#7

Phenol-d6

Concen: 76.818 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142985.D

Acq: 02 Jul 2025 22:22

Instrument :

BNA_F

ClientSampleId :

TP-55

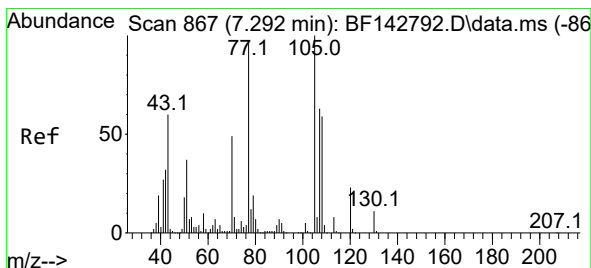
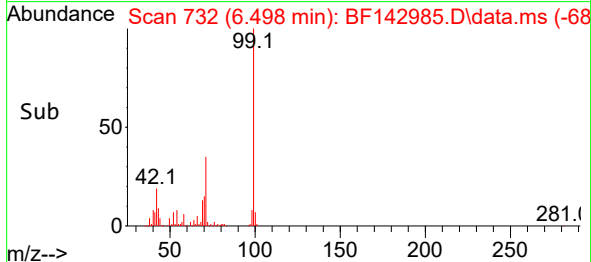
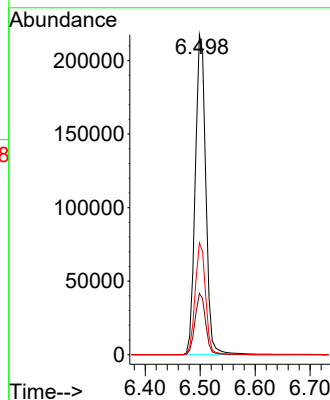
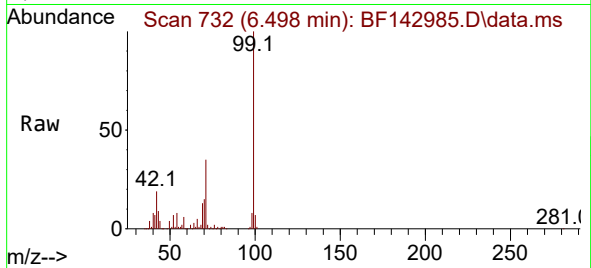
Tgt Ion: 99 Resp: 289993

Ion Ratio Lower Upper

99 100

42 19.2 15.9 23.9

71 35.0 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 10.696 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142985.D

Acq: 02 Jul 2025 22:22

Tgt Ion: 70 Resp: 23484

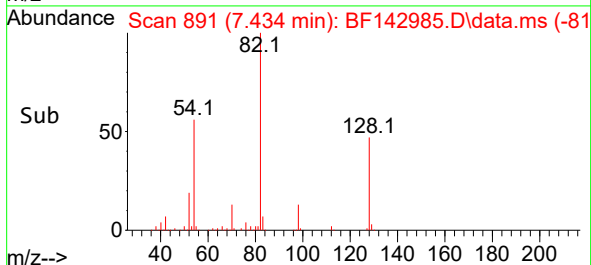
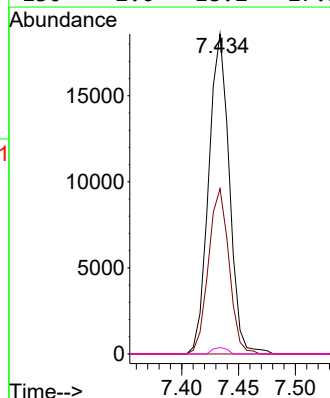
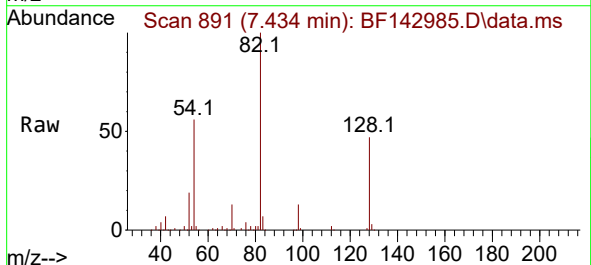
Ion Ratio Lower Upper

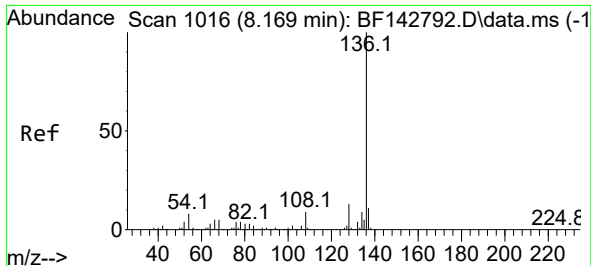
70 100

42 51.7 52.1 78.1#

101 0.0 8.2 12.2#

130 2.0 18.2 27.2#

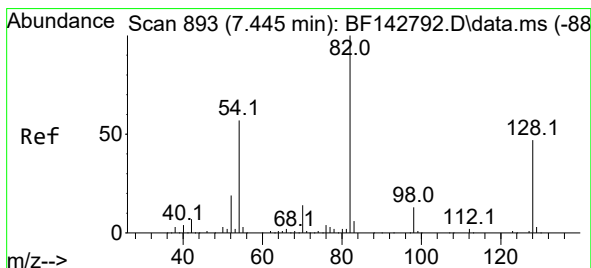
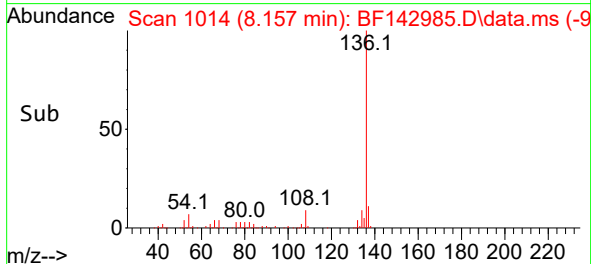
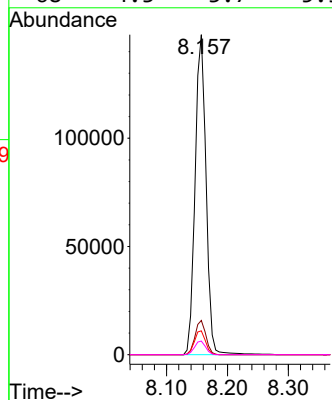
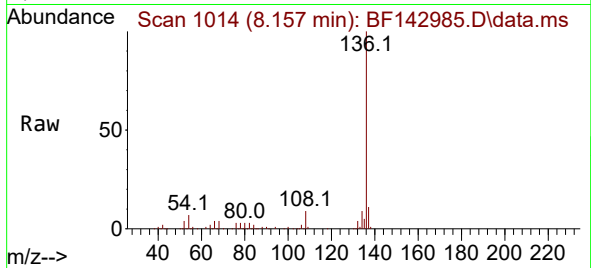




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

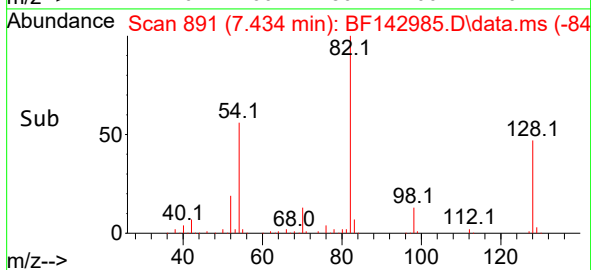
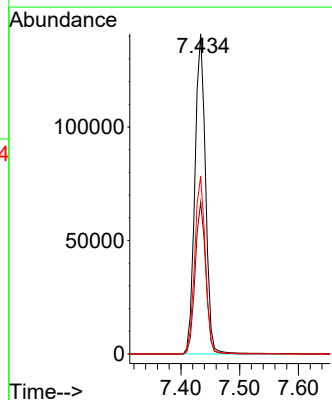
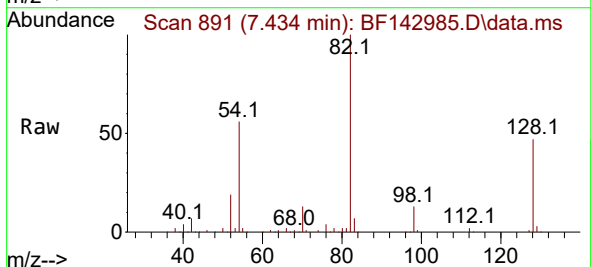
Instrument :
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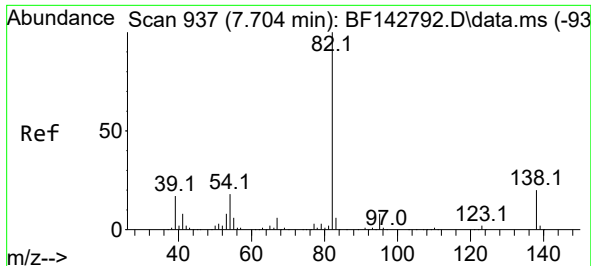
Tgt Ion:136 Resp: 184703
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.4 6.3 9.5
68 4.3 3.7 5.5



#23
Nitrobenzene-d5
Concen: 52.894 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion: 82 Resp: 178114
Ion Ratio Lower Upper
82 100
128 47.4 37.7 56.5
54 55.5 45.7 68.5

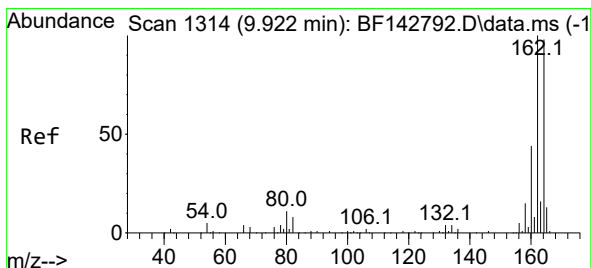
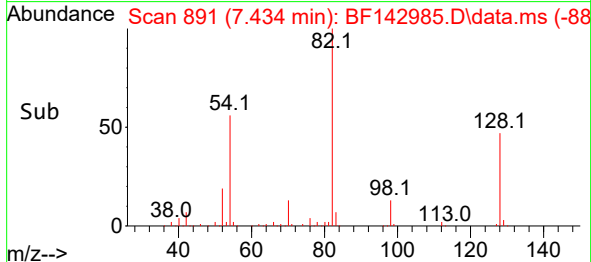
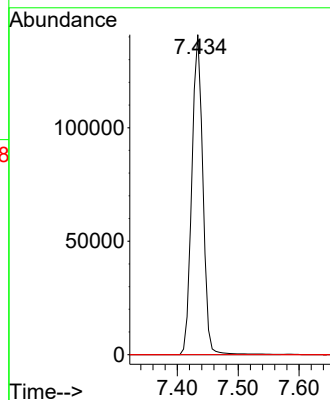
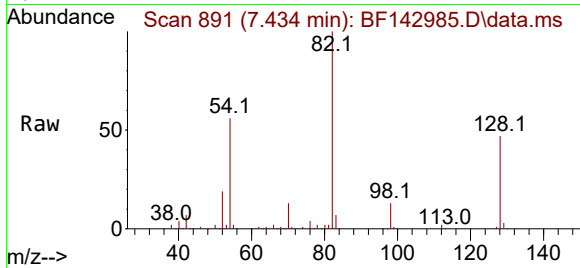




#25
Isophorone
Concen: 32.973 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

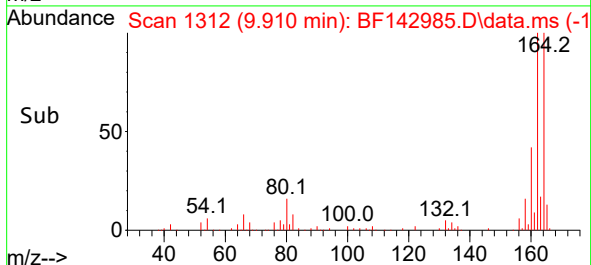
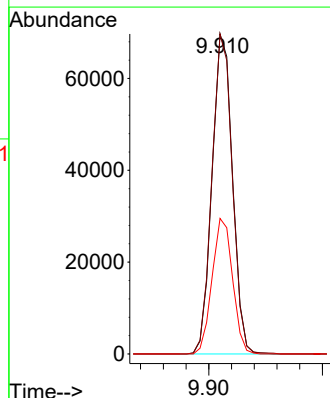
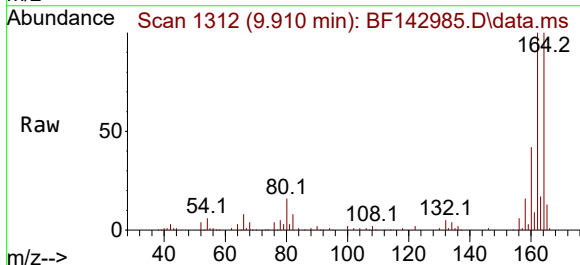
Instrument :
BNA_F
ClientSampleId :
TP-55

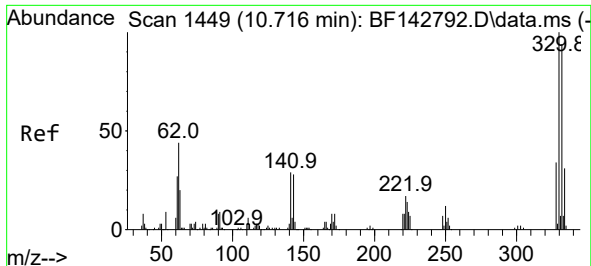
Tgt Ion: 82 Resp: 178113
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

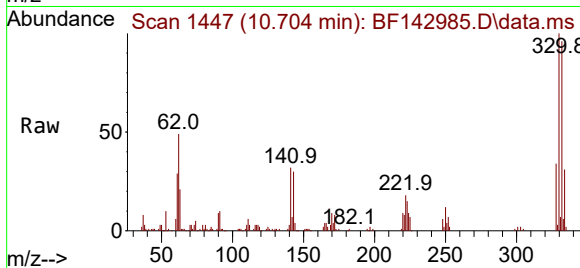
Tgt Ion:164 Resp: 86853
Ion Ratio Lower Upper
164 100
162 99.9 81.8 122.8
160 42.4 36.0 54.0



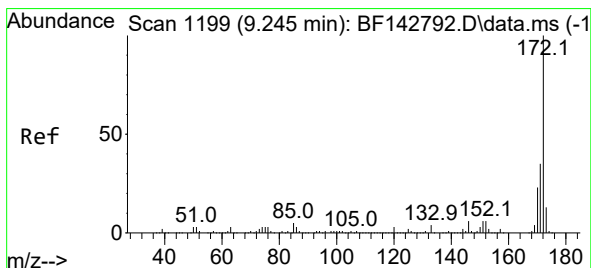
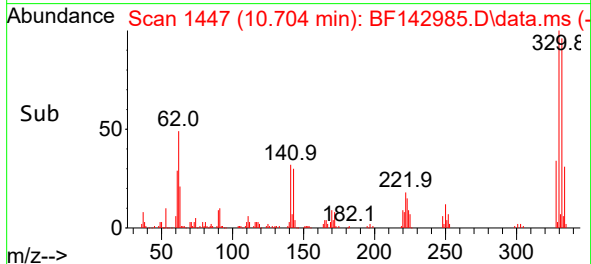
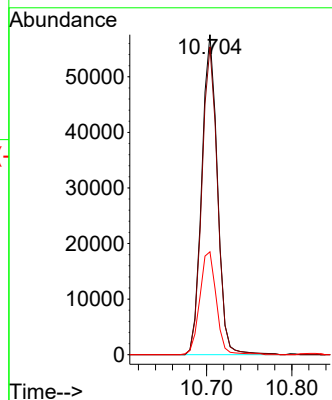


#42
2,4,6-Tribromophenol
Concen: 82.160 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Instrument :
BNA_F
ClientSampleId :
TP-55

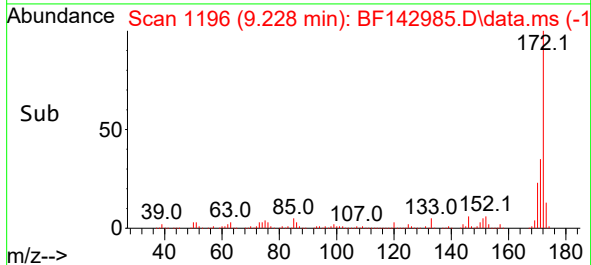
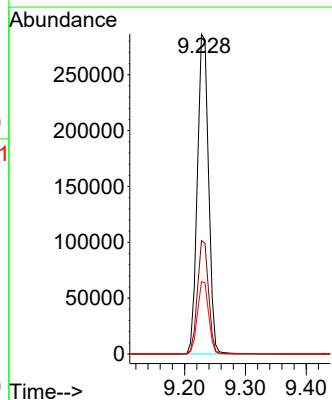
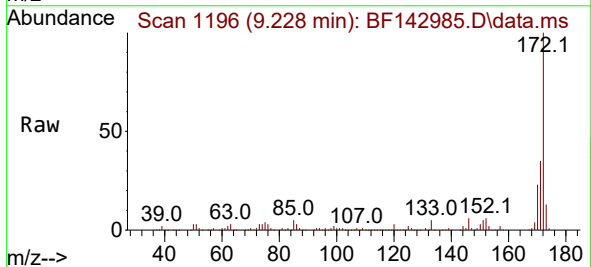


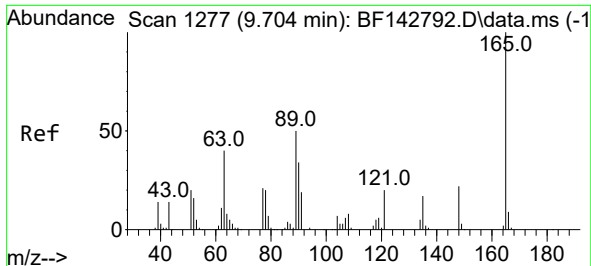
Tgt Ion: 330 Resp: 73433
Ion Ratio Lower Upper
330 100
332 96.2 75.0 112.6
141 34.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 55.556 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion: 172 Resp: 367305
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 22.6 18.5 27.7

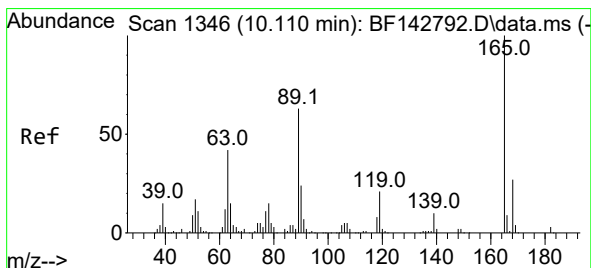
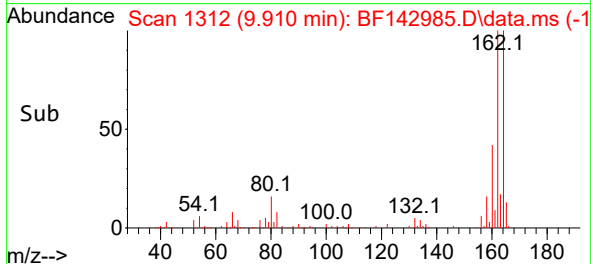
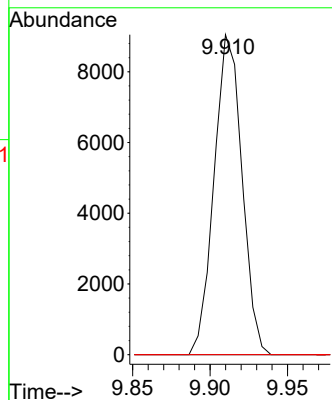
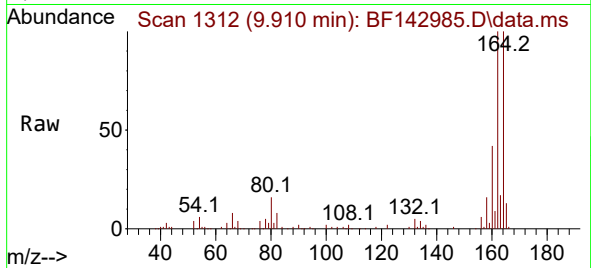




#51
2,6-Dinitrotoluene
Concen: 9.175 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

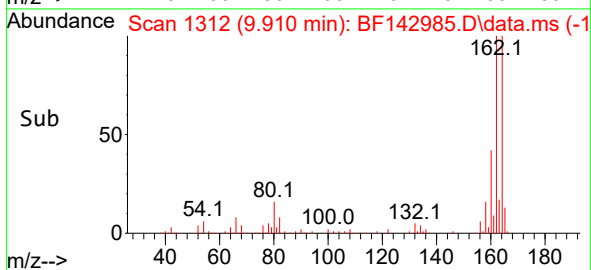
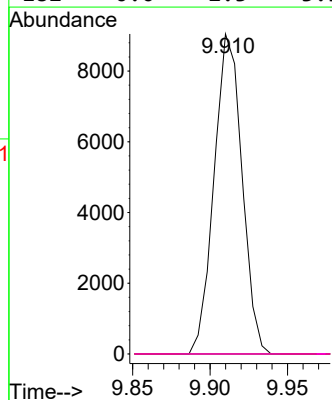
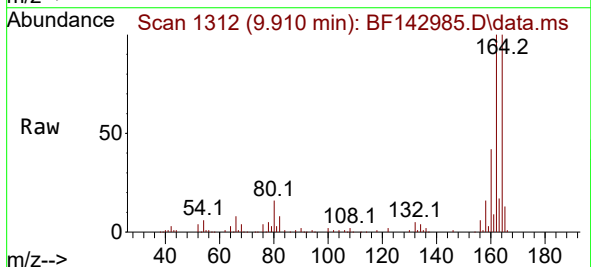
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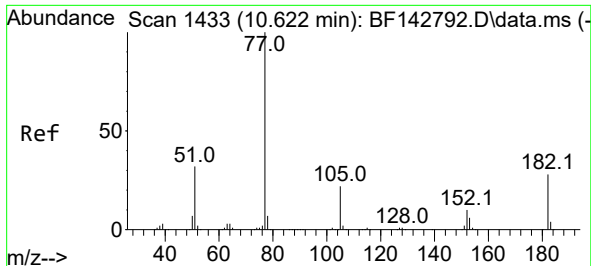
Tgt Ion:165 Resp: 11328
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.907 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:165 Resp: 11328
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

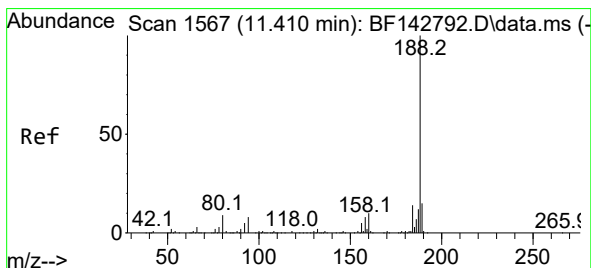
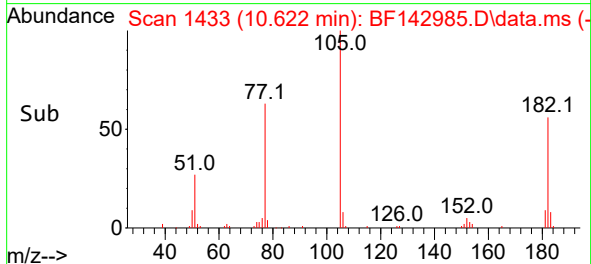
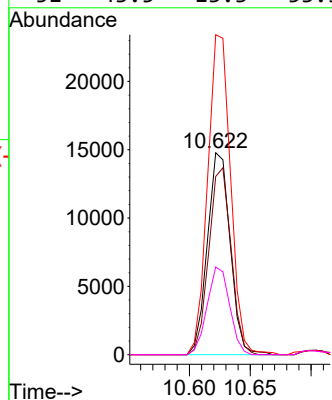
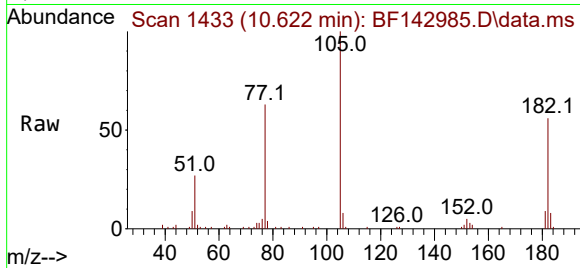




#63
Azobenzene
Concen: 3.902 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

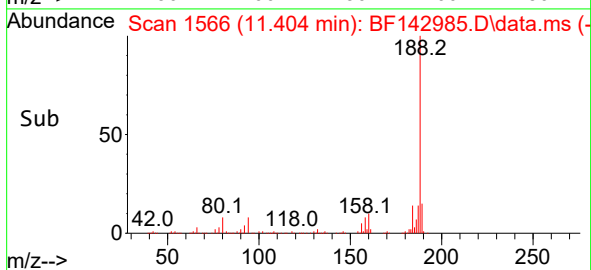
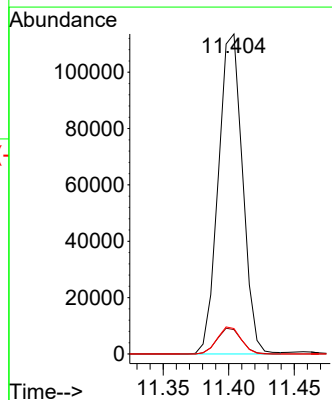
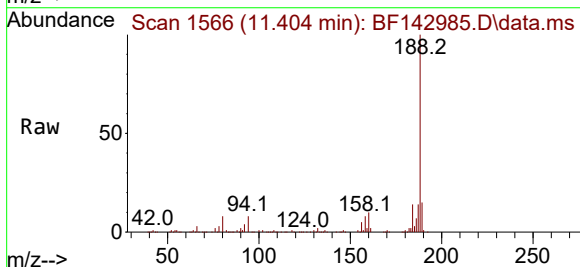
Instrument :
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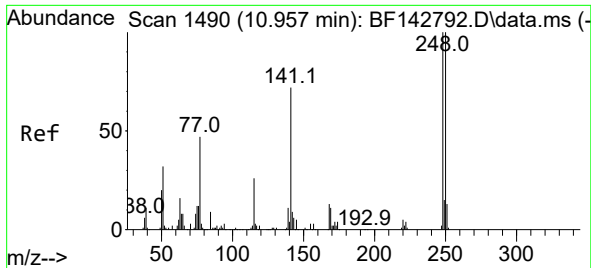
Tgt Ion: 77 Resp: 19222
Ion Ratio Lower Upper
77 100
182 88.3 7.7 47.7#
105 158.5 1.9 41.9#
51 43.5 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:188 Resp: 146004
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.0 6.9 10.3

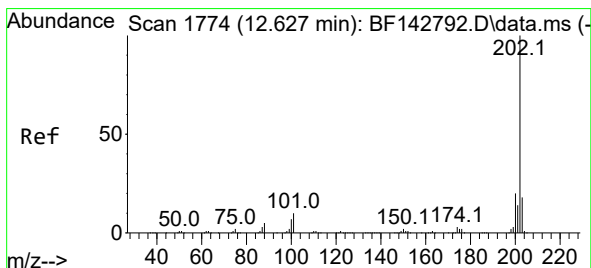
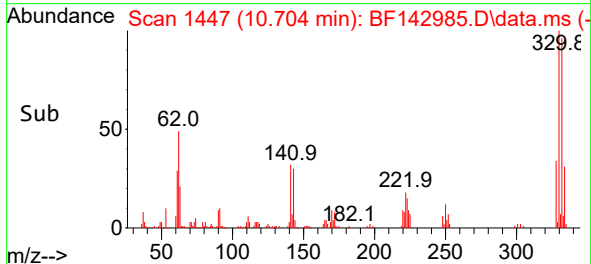
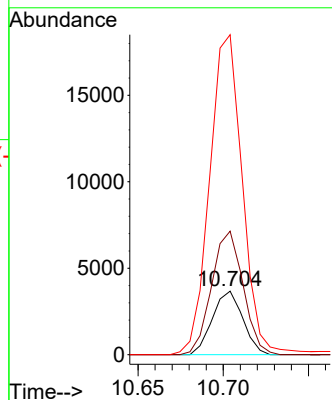
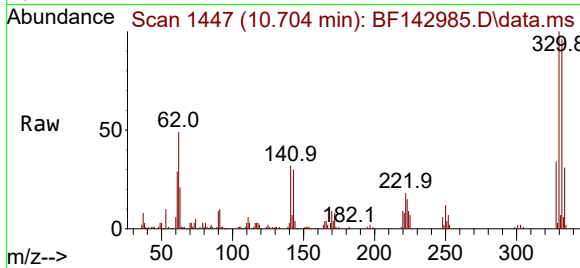




#67
4-Bromophenyl-phenylether
Concen: 2.749 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

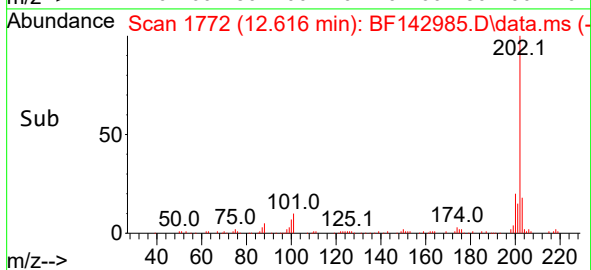
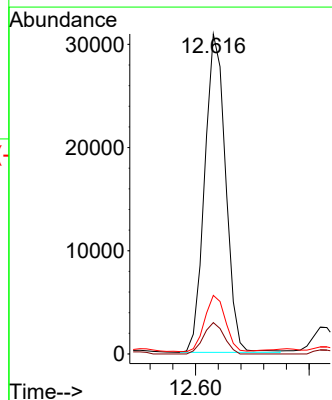
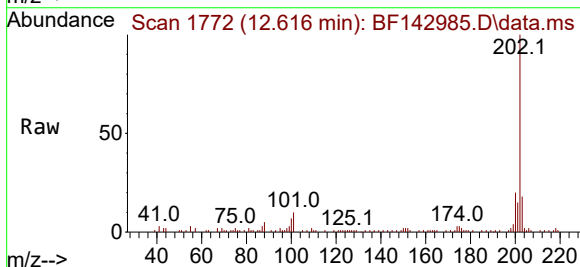
Instrument :
BNA_F
ClientSampleId :
TP-55

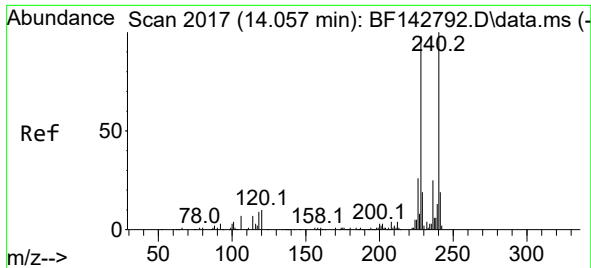
Tgt Ion:248 Resp: 4568
Ion Ratio Lower Upper
248 100
250 194.5 79.8 119.8#
141 503.9 57.8 86.6#



#75
Fluoranthene
Concen: 5.261 ng
RT: 12.616 min Scan# 1772
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:202 Resp: 39489
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 18.3 0.0 37.5

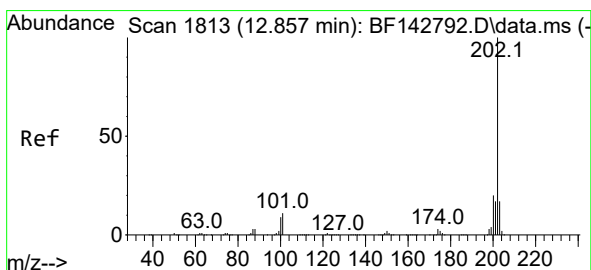
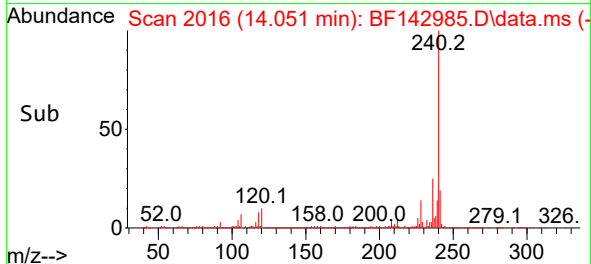
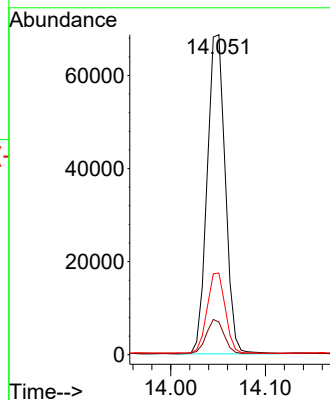
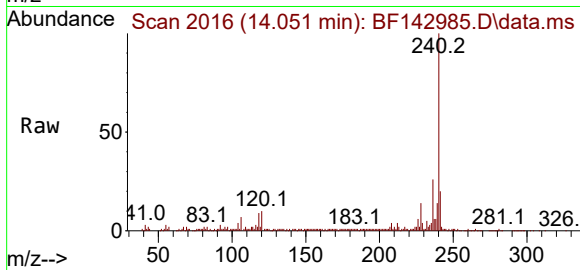




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

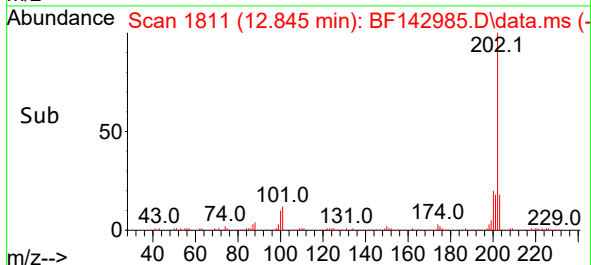
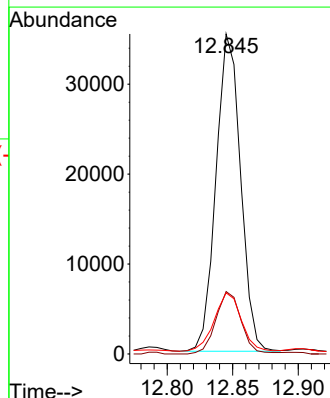
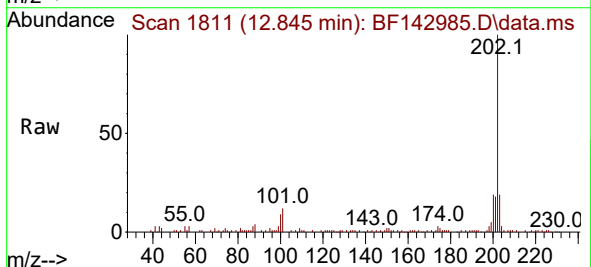
Instrument :
BNA_F
ClientSampleId :
TP-55

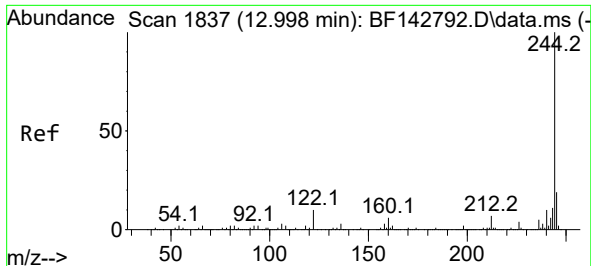
Tgt Ion:240 Resp: 91233
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.5 19.8 29.8



#78
Pyrene
Concen: 5.371 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:202 Resp: 45931
Ion Ratio Lower Upper
202 100
200 19.5 15.7 23.5
203 19.1 13.8 20.6

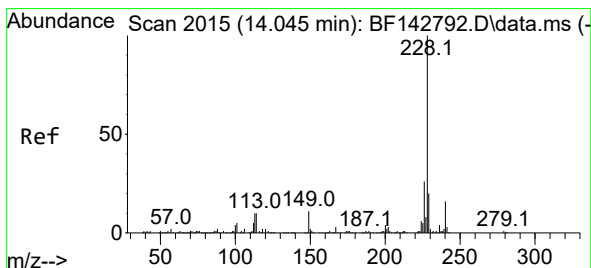
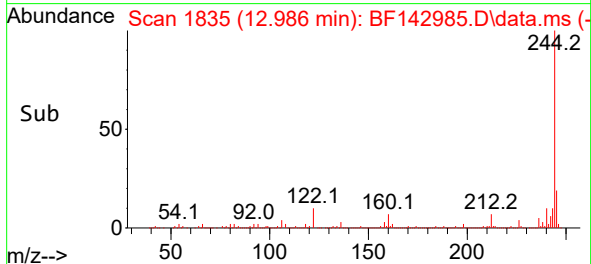
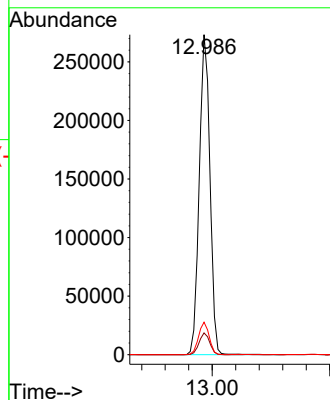
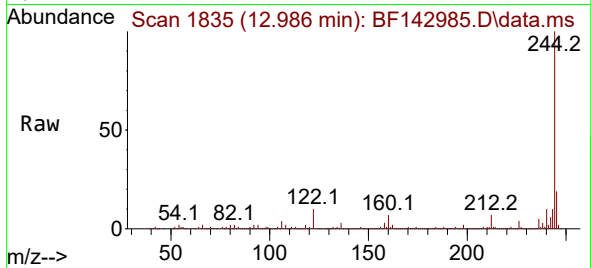




#79
 Terphenyl-d14
 Concen: 52.000 ng
 RT: 12.986 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF142985.D
 Acq: 02 Jul 2025 22:22

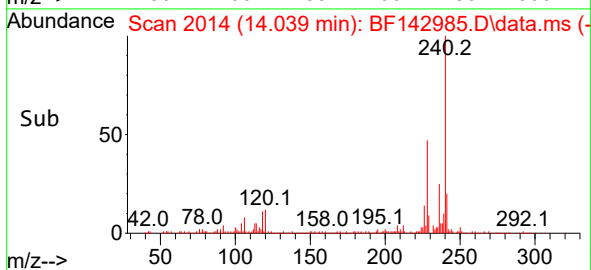
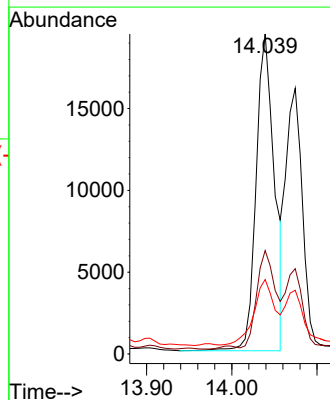
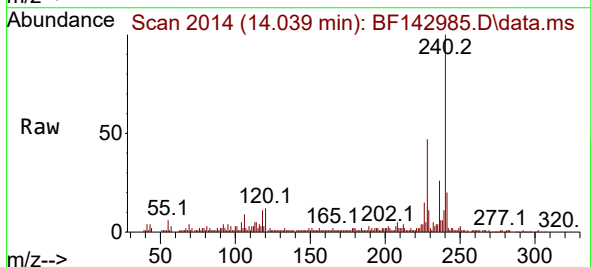
Instrument :
 BNA_F
 ClientSampleId :
 TP-55

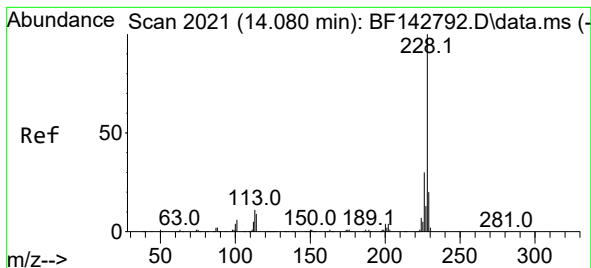
Tgt Ion:244 Resp: 343356
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.1 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 4.695 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF142985.D
 Acq: 02 Jul 2025 22:22

Tgt Ion:228 Resp: 28893
 Ion Ratio Lower Upper
 228 100
 226 32.3 21.2 31.8#
 229 23.3 15.6 23.4





#83

Chrysene

Concen: 5.261 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF142985.D

Acq: 02 Jul 2025 22:22

Instrument :

BNA_F

ClientSampleId :

TP-55

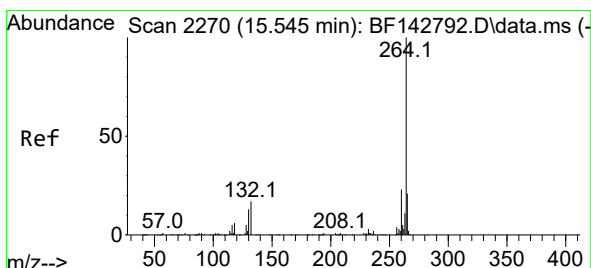
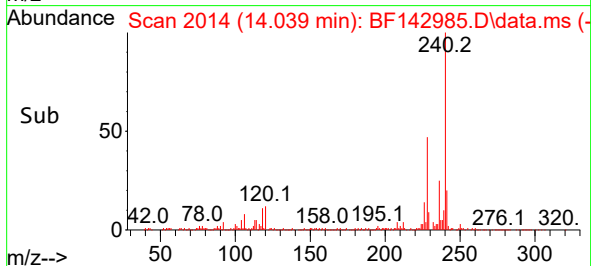
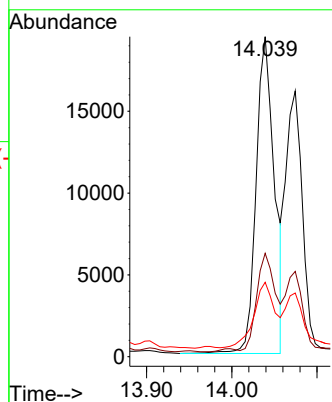
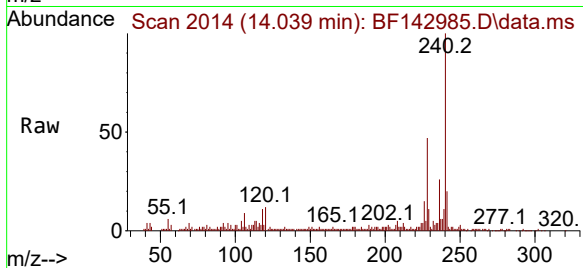
Tgt Ion:228 Resp: 28893

Ion Ratio Lower Upper

228 100

226 32.3 23.7 35.5

229 23.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142985.D

Acq: 02 Jul 2025 22:22

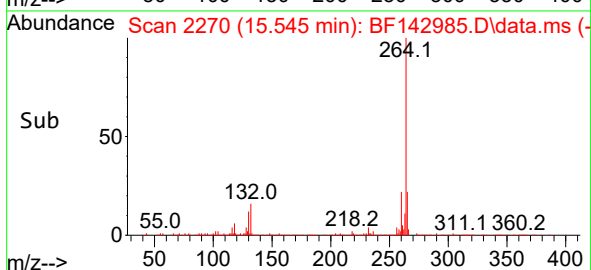
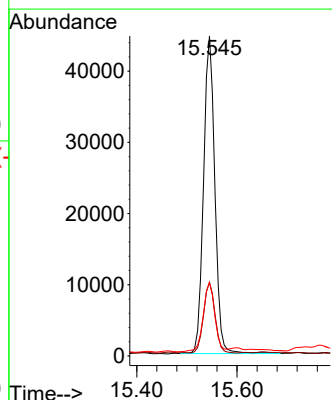
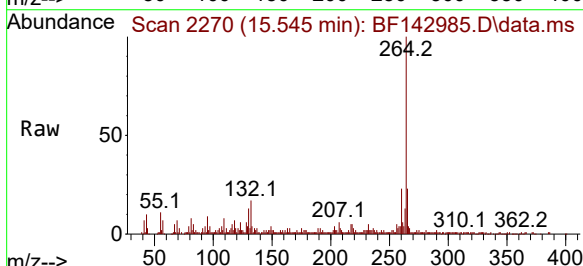
Tgt Ion:264 Resp: 69801

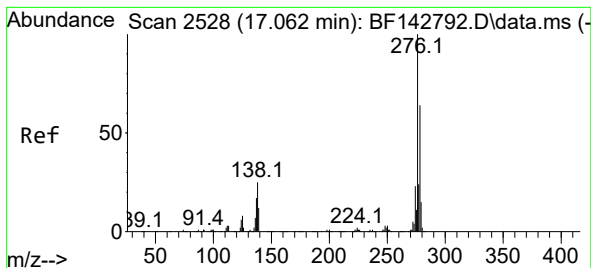
Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 23.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.561 ng

RT: 17.057 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142985.D

Acq: 02 Jul 2025 22:22

Instrument :

BNA_F

ClientSampleId :

TP-55

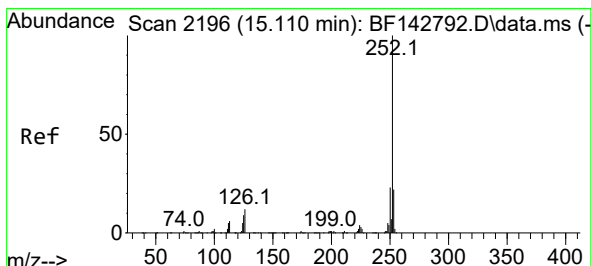
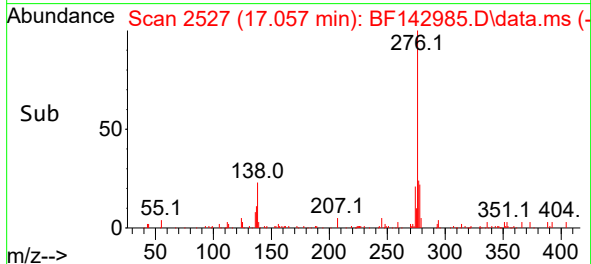
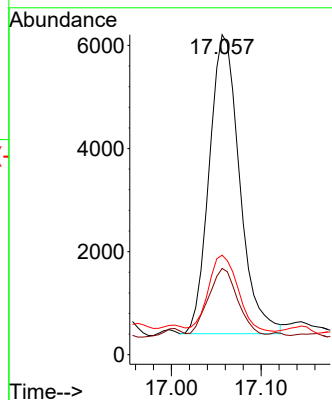
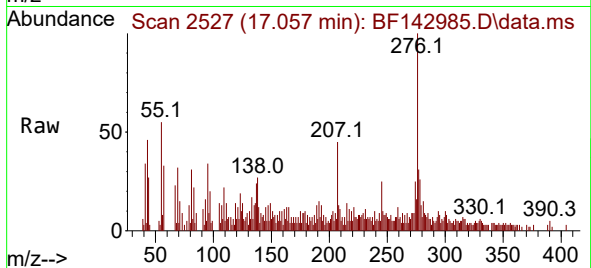
Tgt Ion:276 Resp: 13616

Ion Ratio Lower Upper

276 100

138 21.2 20.2 30.4

277 26.4 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 9.737 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142985.D

Acq: 02 Jul 2025 22:22

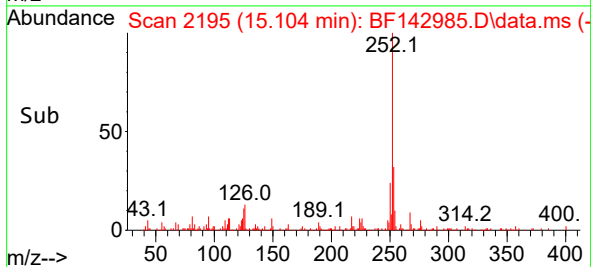
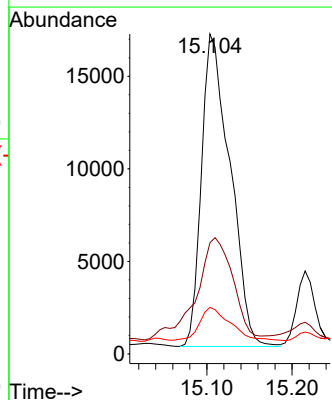
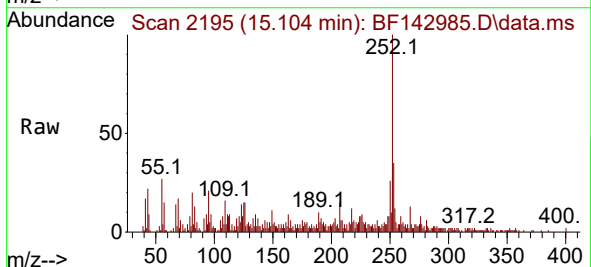
Tgt Ion:252 Resp: 39327

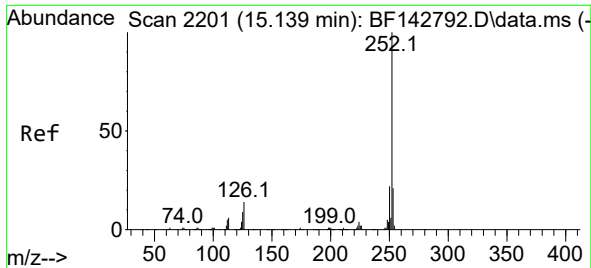
Ion Ratio Lower Upper

252 100

253 34.7 17.5 26.3#

125 14.5 7.4 11.0#

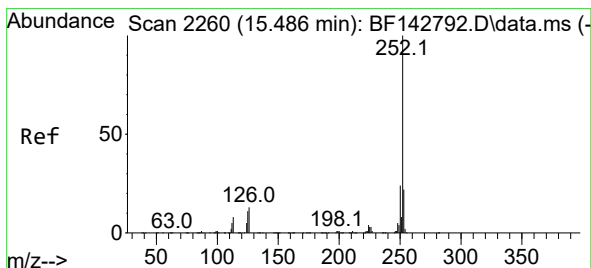
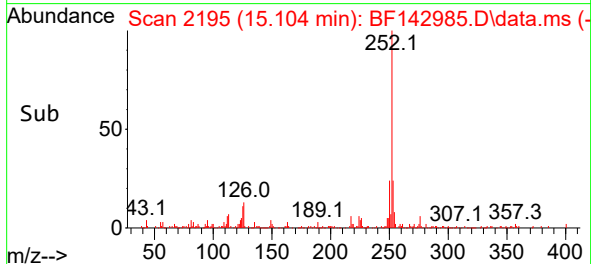
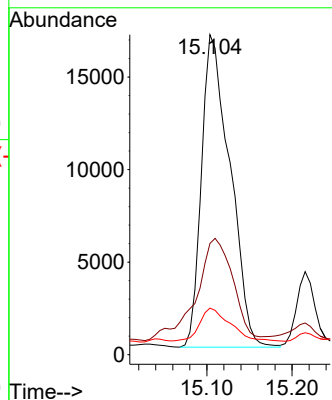
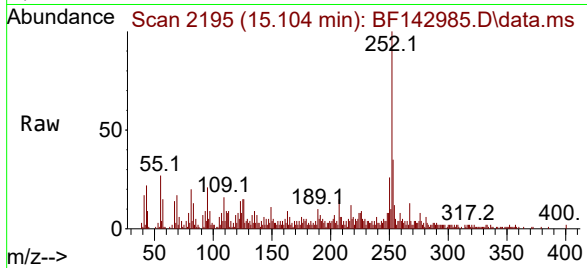




#89
Benzo(k)fluoranthene
Concen: 10.407 ng
RT: 15.104 min Scan# 2119
Delta R.T. -0.035 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

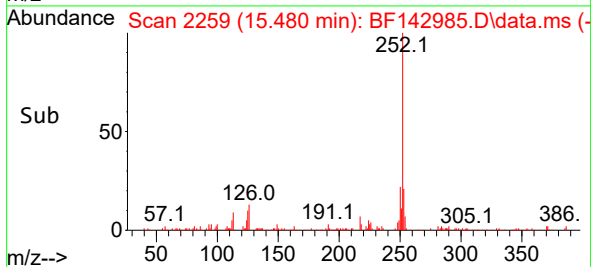
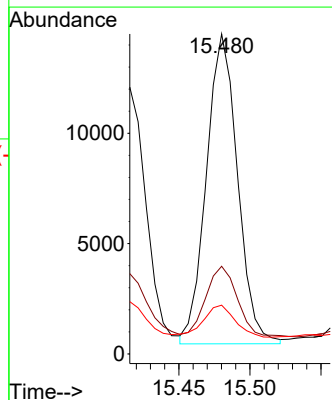
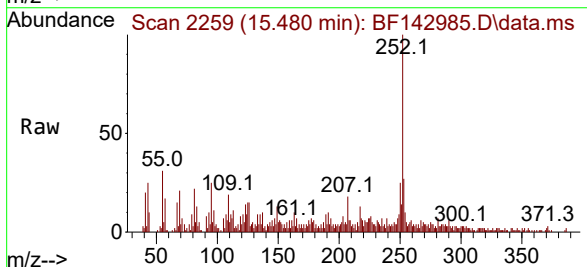
Instrument :
BNA_F
ClientSampleId :
TP-55

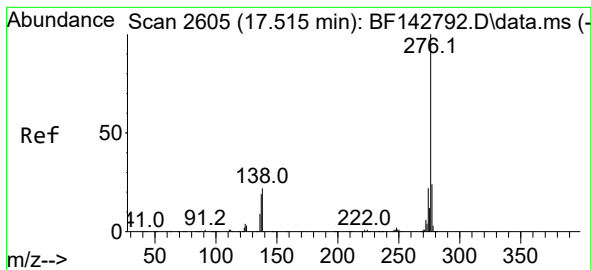
Tgt Ion:252 Resp: 39327
Ion Ratio Lower Upper
252 100
253 34.7 17.2 25.8#
125 14.5 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 5.490 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142985.D
Acq: 02 Jul 2025 22:22

Tgt Ion:252 Resp: 21423
Ion Ratio Lower Upper
252 100
253 27.4 17.5 26.3#
125 15.2 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 3.672 ng

RT: 17.515 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142985.D

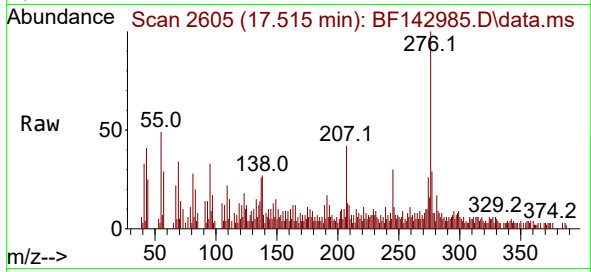
Acq: 02 Jul 2025 22:22

Instrument :

BNA_F

ClientSampleId :

TP-55



Tgt Ion:276 Resp: 15818

Ion Ratio Lower Upper

276 100

277 29.1 18.8 28.2#

138 26.9 17.6 26.4#

