

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142995.D
 Acq On : 03 Jul 2025 14:25
 Operator : RC/JU
 Sample : Q2484-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-57

Quant Time: Jul 03 15:46:35 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)

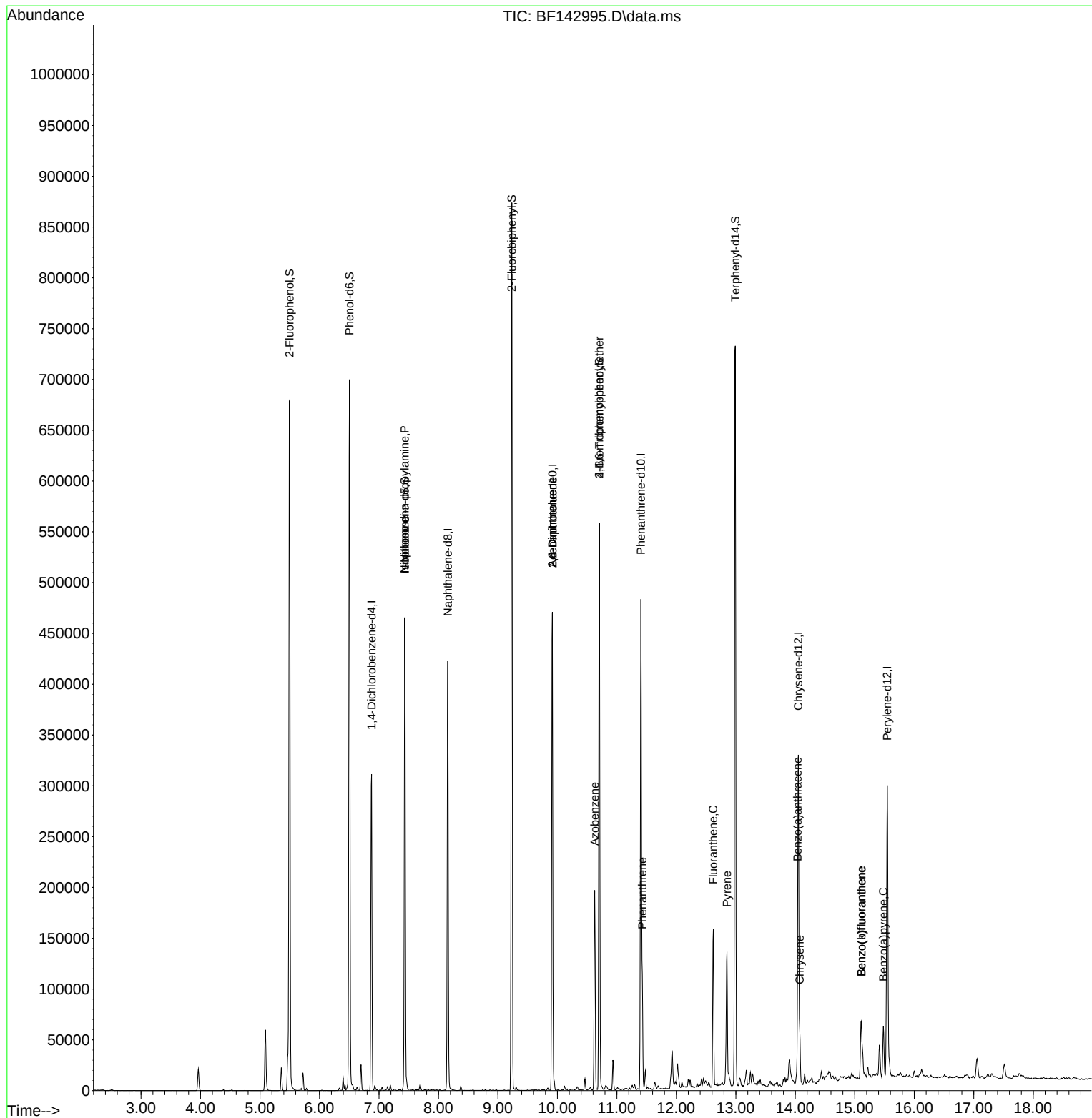
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	70834	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	271831	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	145167	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	247026	20.000	ng	0.00
76) Chrysene-d12	14.051	240	137001	20.000	ng	0.00
86) Perylene-d12	15.545	264	171675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	272889	64.141	ng	0.00
7) Phenol-d6	6.504	99	322581	64.266	ng	0.00
23) Nitrobenzene-d5	7.434	82	195766	39.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	94986	63.584	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	403602	36.524	ng	-0.01
79) Terphenyl-d14	12.992	244	364408	36.752	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	26233	8.986	ng	# 75
25) Isophorone	7.434	82	195764	24.625	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	18762	9.092	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	18762	6.845	ng	# 28
63) Azobenzene	10.627	77	45454	5.520	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5893	2.096	ng	# 1
71) Phenanthrene	11.427	178	58243	4.353	ng	99
75) Fluoranthene	12.621	202	91019	7.167	ng	100
78) Pyrene	12.851	202	80260	6.250	ng	99
81) Benzo(a)anthracene	14.039	228	30605	3.311	ng	96
83) Chrysene	14.074	228	26530	3.217	ng	96
88) Benzo(b)fluoranthene	15.110	252	50645	5.098	ng	98
89) Benzo(k)fluoranthene	15.110	252	50645	5.449	ng	97
90) Benzo(a)pyrene	15.480	252	31121	3.243	ng	97

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

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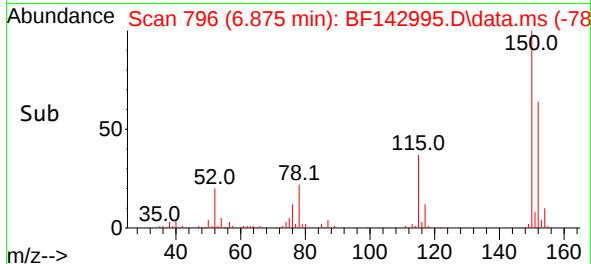
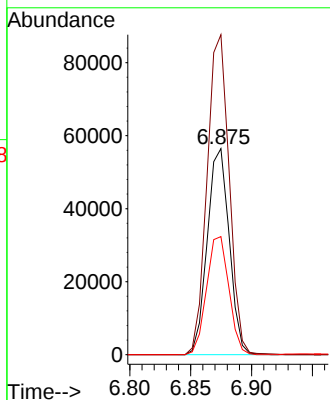
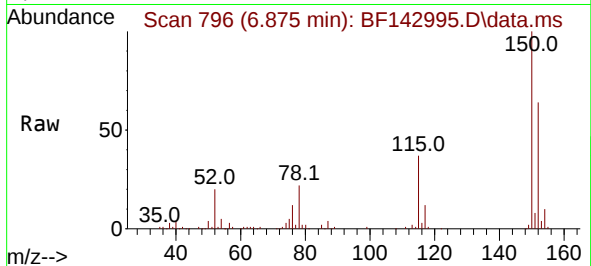




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142995.D
 Acq: 03 Jul 2025 14:25

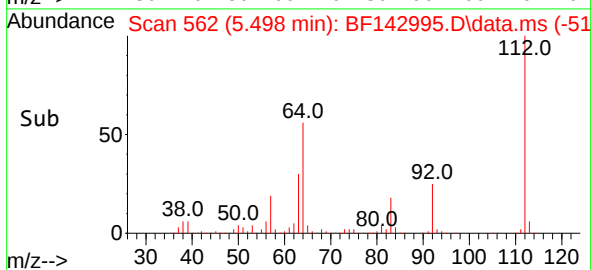
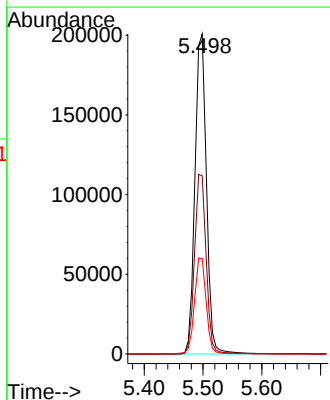
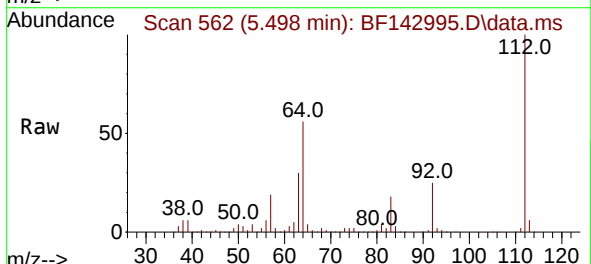
Instrument :
 BNA_F
 ClientSampleId :
 TP-57

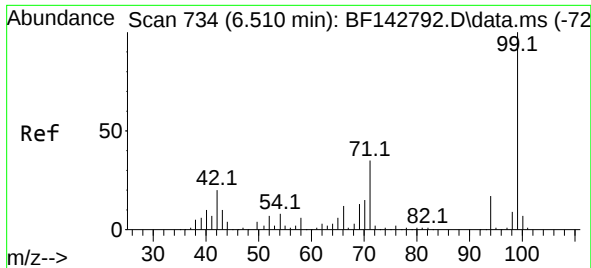
Tgt Ion:152 Resp: 70834
 Ion Ratio Lower Upper
 152 100
 150 155.3 127.2 190.8
 115 57.3 46.6 69.8



#5
 2-Fluorophenol
 Concen: 64.141 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF142995.D
 Acq: 03 Jul 2025 14:25

Tgt Ion:112 Resp: 272889
 Ion Ratio Lower Upper
 112 100
 64 55.7 48.2 72.2
 63 29.9 25.7 38.5

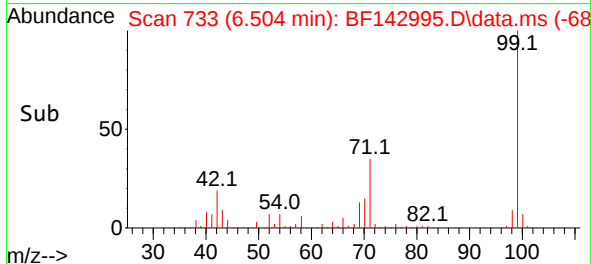
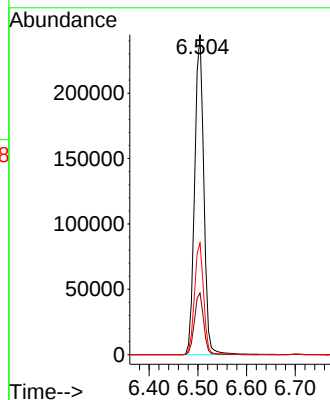
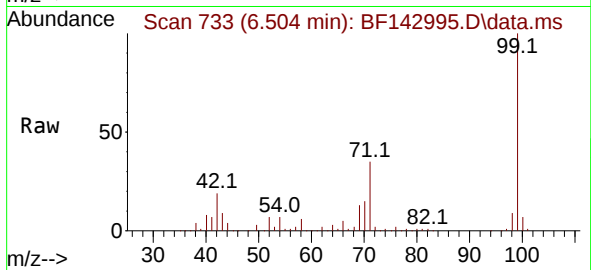




#7
Phenol-d6
Concen: 64.266 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

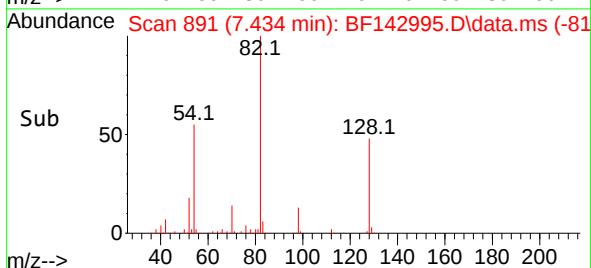
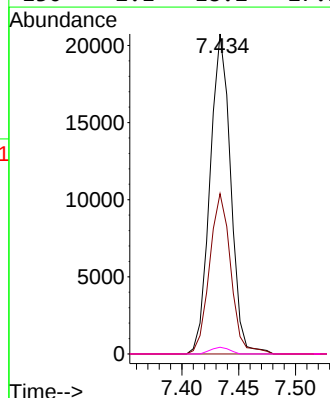
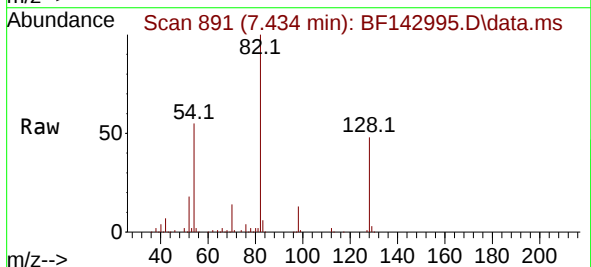
Instrument :
BNA_F
ClientSampleId :
TP-57

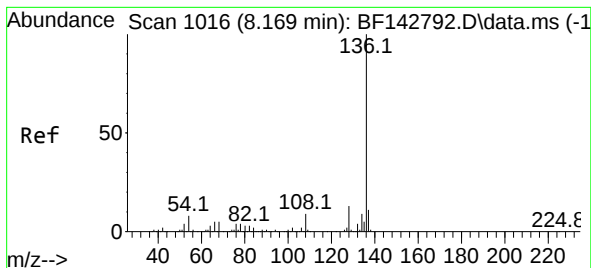
Tgt Ion: 99 Resp: 322581
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.986 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion: 70 Resp: 26233
Ion Ratio Lower Upper
70 100
42 50.1 52.1 78.1#
101 0.0 8.2 12.2#
130 2.1 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: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

Tgt Ion:136 Resp: 271831

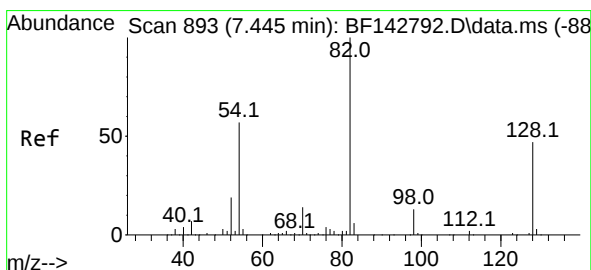
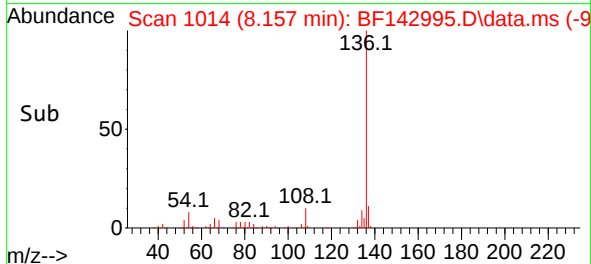
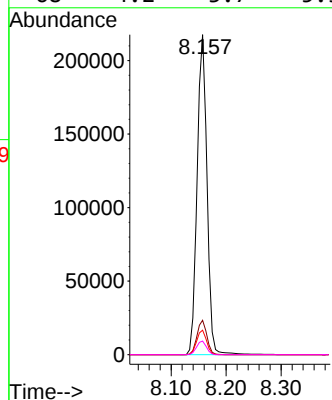
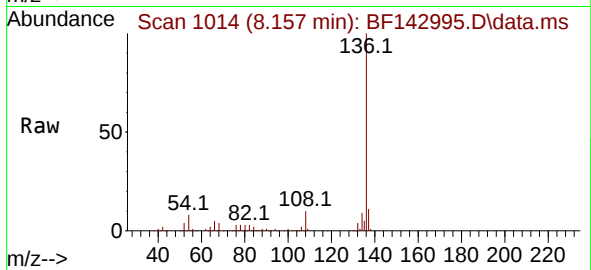
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.6 6.3 9.5

68 4.2 3.7 5.5



#23

Nitrobenzene-d5

Concen: 39.502 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

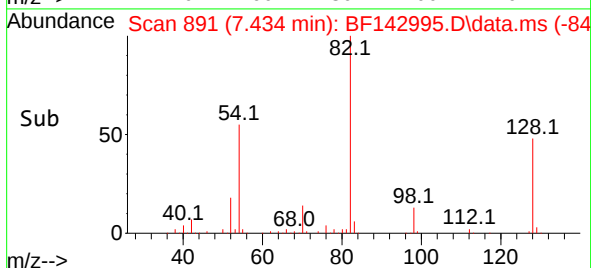
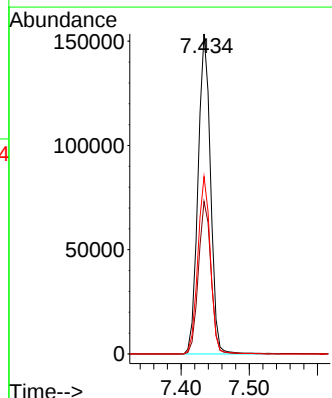
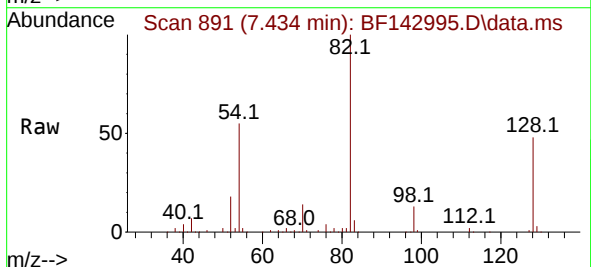
Tgt Ion: 82 Resp: 195766

Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 55.4 45.7 68.5

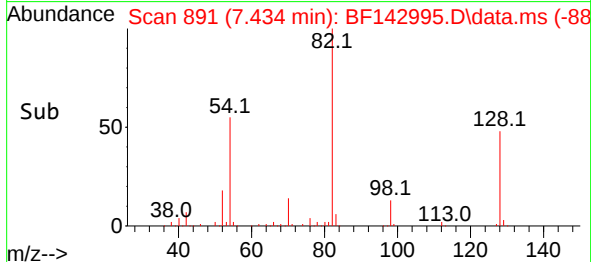
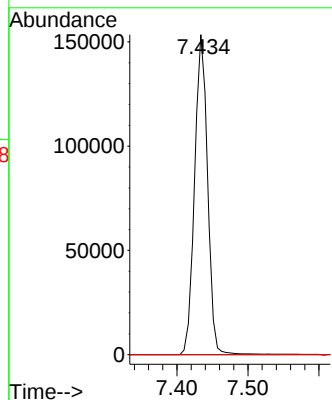
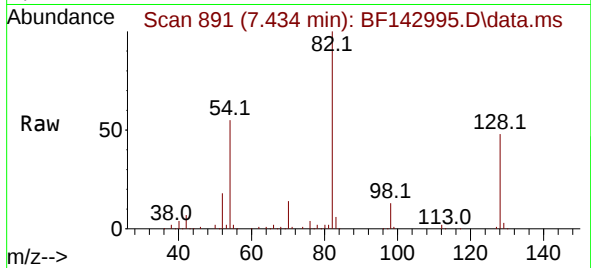




#25
Isophorone
Concen: 24.625 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

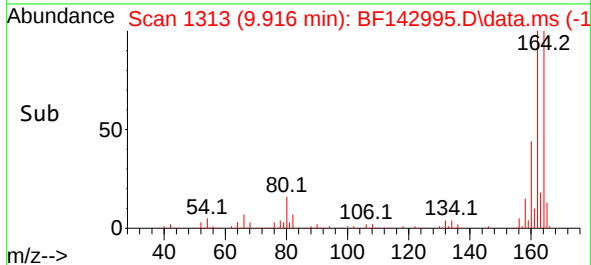
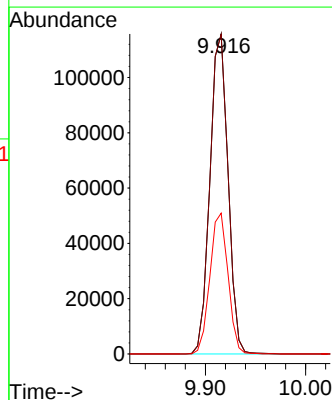
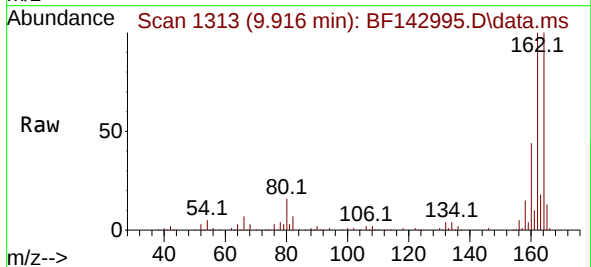
Instrument :
BNA_F
ClientSampleId :
TP-57

Tgt Ion: 82 Resp: 195764
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: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion:164 Resp: 145167
Ion Ratio Lower Upper
164 100
162 99.8 81.8 122.8
160 44.0 36.0 54.0

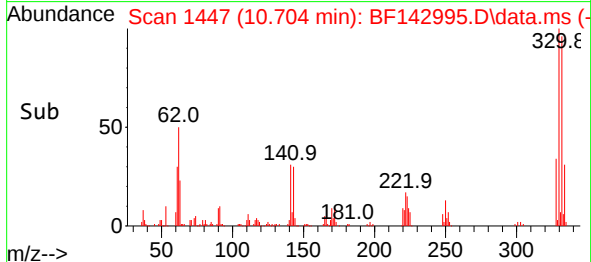
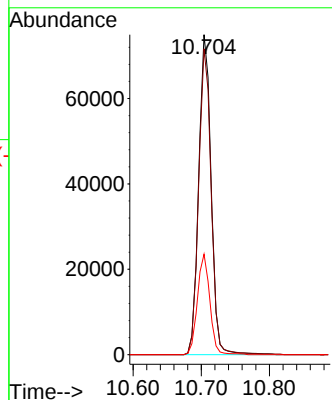
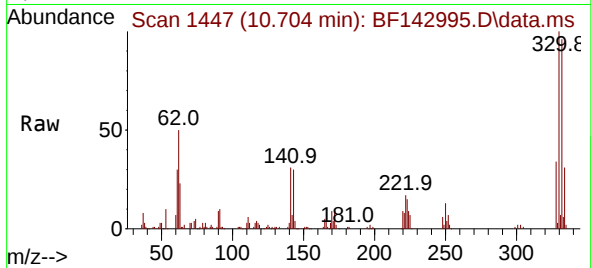




#42
2,4,6-Tribromophenol
Concen: 63.584 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

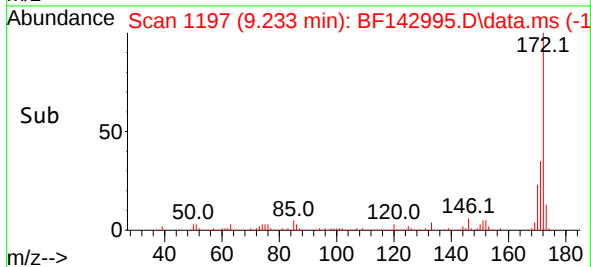
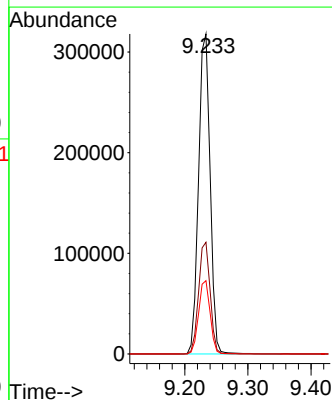
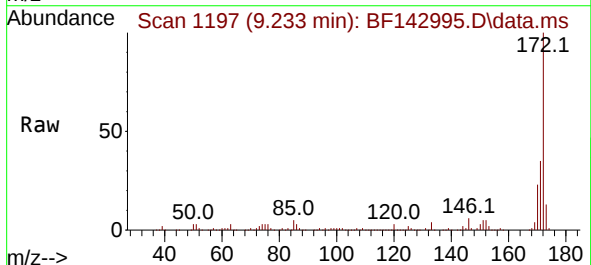
Instrument :
BNA_F
ClientSampleId :
TP-57

Tgt Ion:330 Resp: 94986
Ion Ratio Lower Upper
330 100
332 96.4 75.0 112.6
141 31.3 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 36.524 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion:172 Resp: 403602
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.9 18.5 27.7

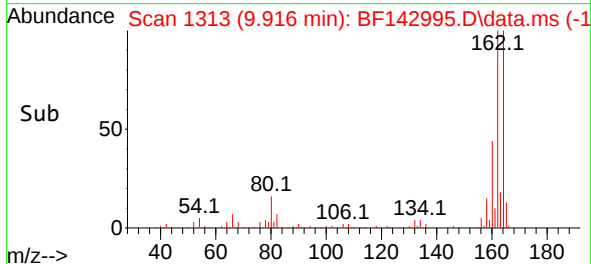
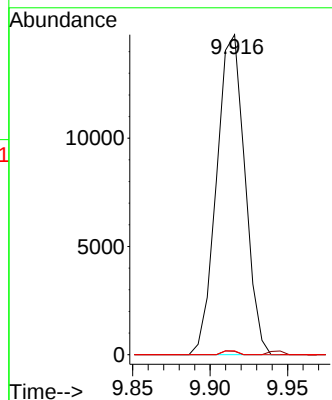
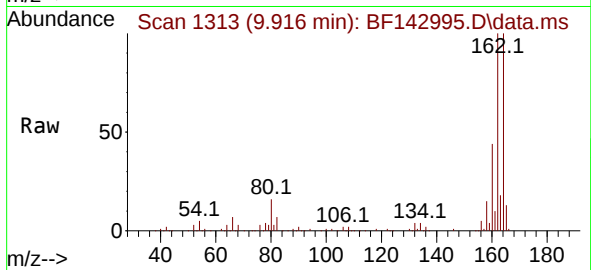




#51
2,6-Dinitrotoluene
Concen: 9.092 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

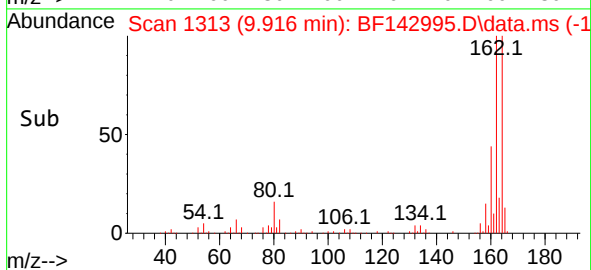
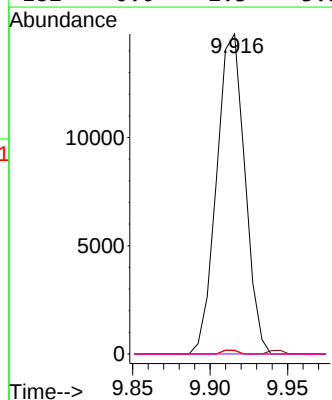
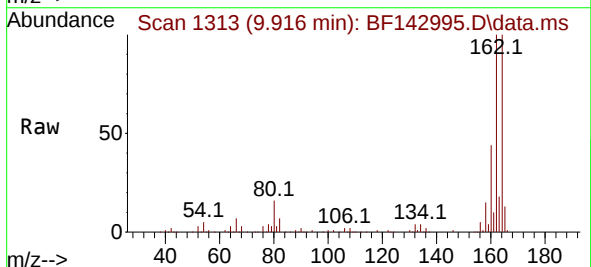
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ClientSampleId :
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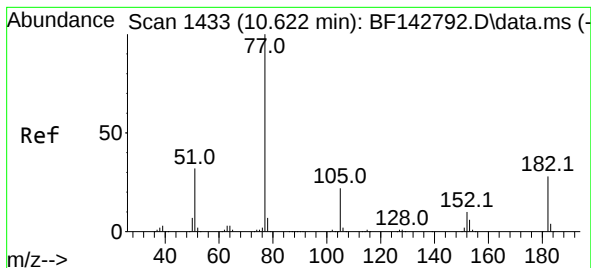
Tgt Ion:165 Resp: 18762
Ion Ratio Lower Upper
165 100
63 1.1 44.2 66.4#
89 1.2 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.845 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion:165 Resp: 18762
Ion Ratio Lower Upper
165 100
63 1.1 33.9 50.9#
89 1.2 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 5.520 ng

RT: 10.627 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

Tgt Ion: 77 Resp: 45454

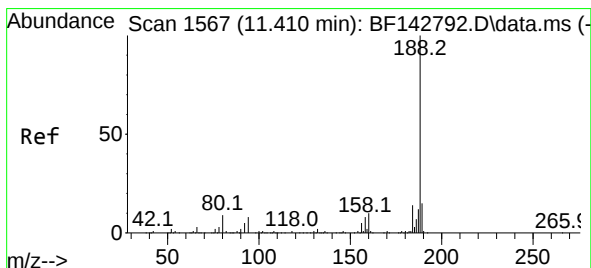
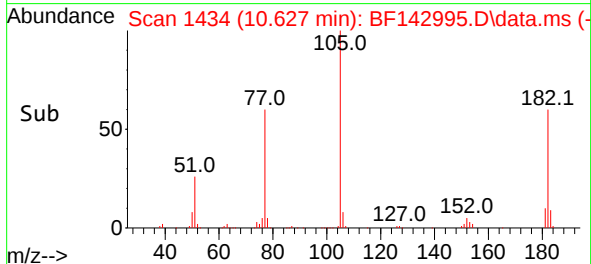
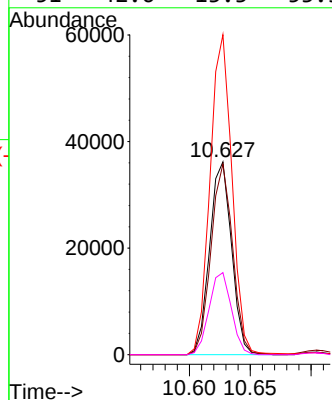
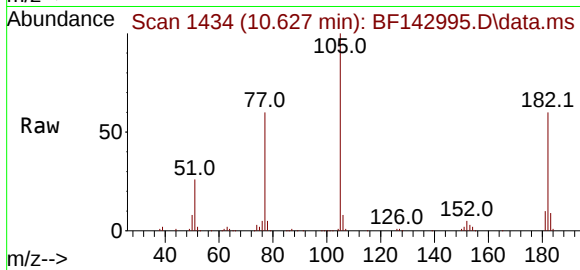
Ion Ratio Lower Upper

77 100

182 98.9 7.7 47.7#

105 166.0 1.9 41.9#

51 42.6 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: BF142995.D

Acq: 03 Jul 2025 14:25

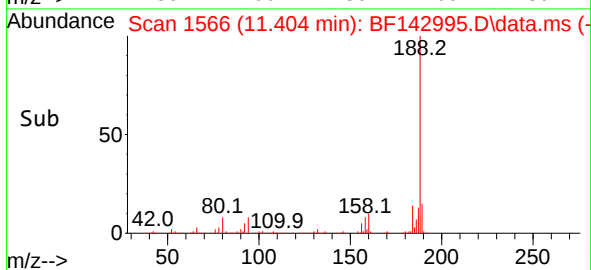
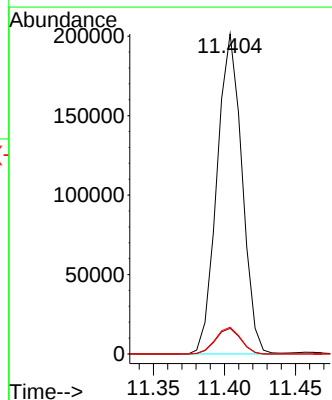
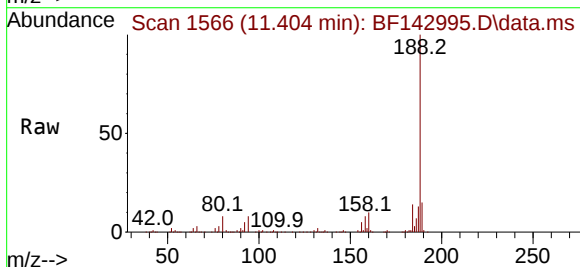
Tgt Ion: 188 Resp: 247026

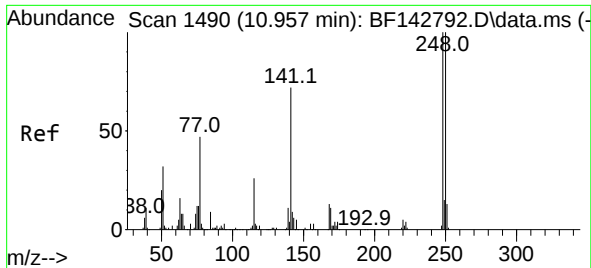
Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.4 6.9 10.3

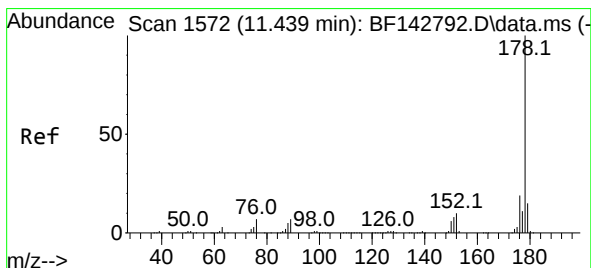
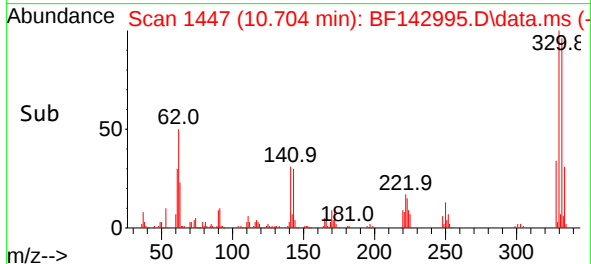
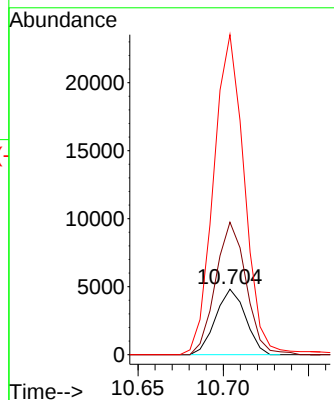
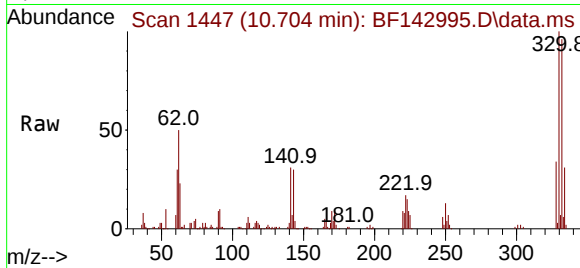




#67
4-Bromophenyl-phenylether
Concen: 2.096 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

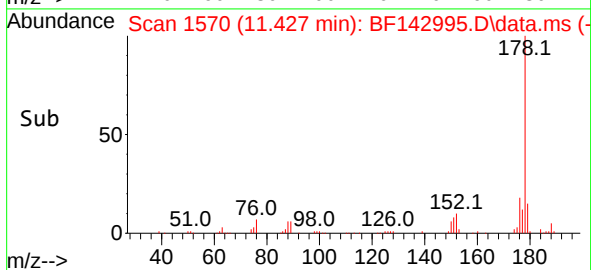
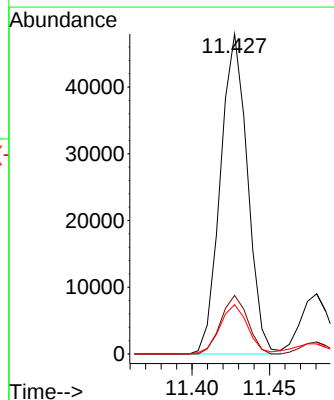
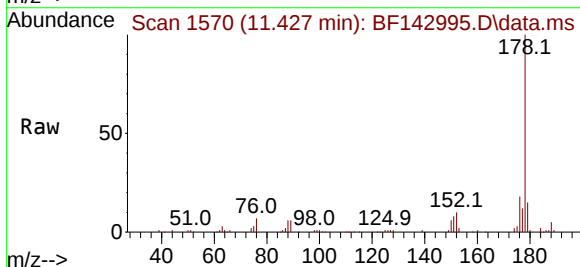
Instrument :
BNA_F
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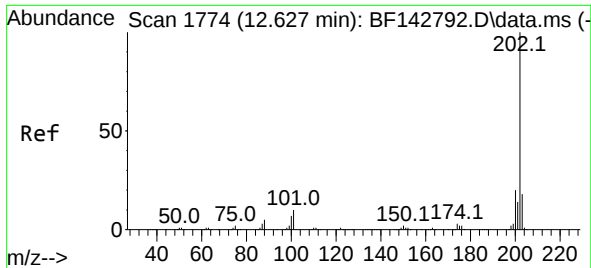
Tgt Ion:248 Resp: 5893
Ion Ratio Lower Upper
248 100
250 202.7 79.8 119.8#
141 489.2 57.8 86.6#



#71
Phenanthrene
Concen: 4.353 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion:178 Resp: 58243
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 15.4 12.0 18.0

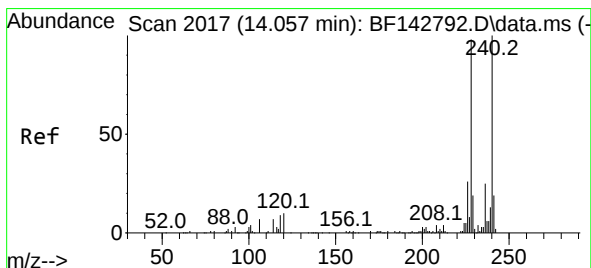
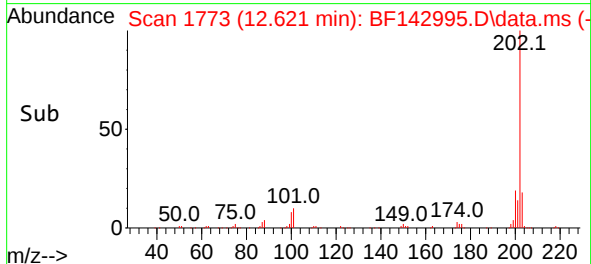
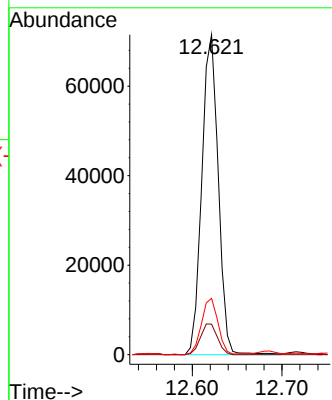
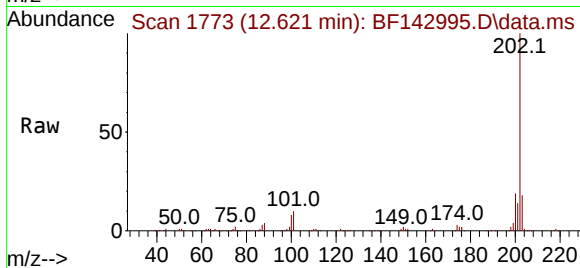




#75
Fluoranthene
Concen: 7.167 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

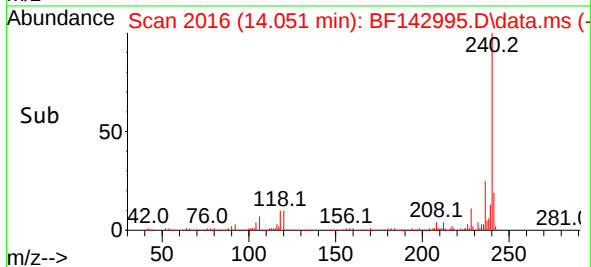
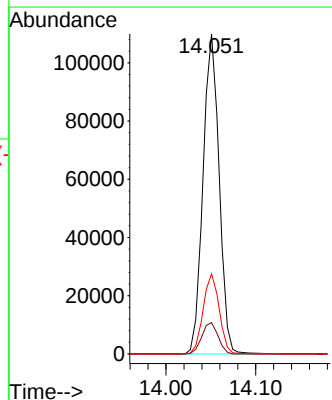
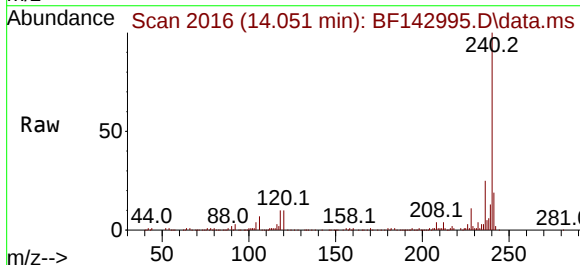
Instrument :
BNA_F
ClientSampleId :
TP-57

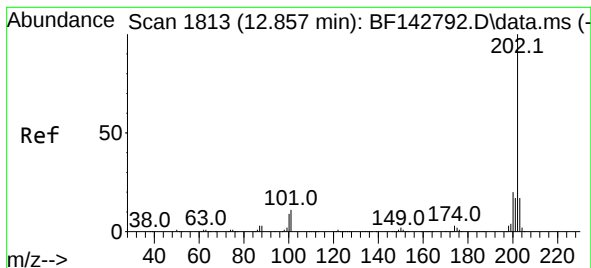
Tgt Ion:202 Resp: 91019
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion:240 Resp: 137001
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.0 19.8 29.8





#78

Pyrene

Concen: 6.250 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

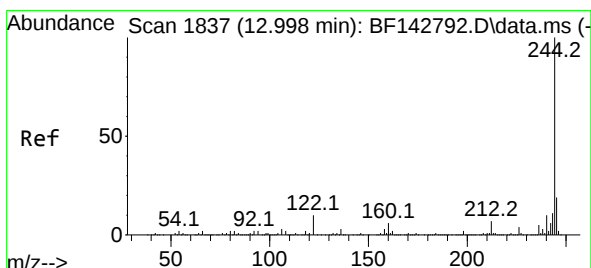
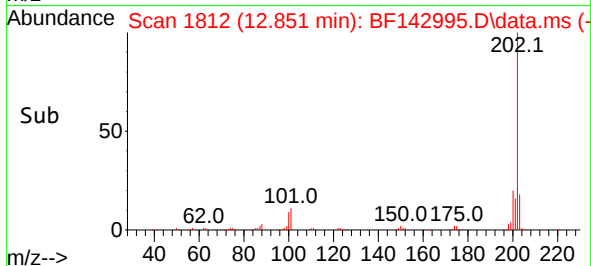
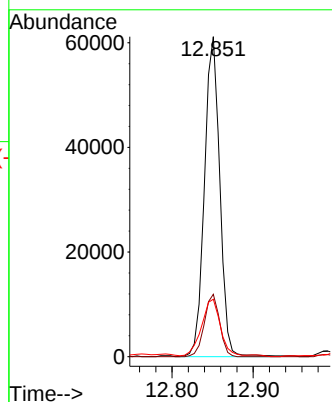
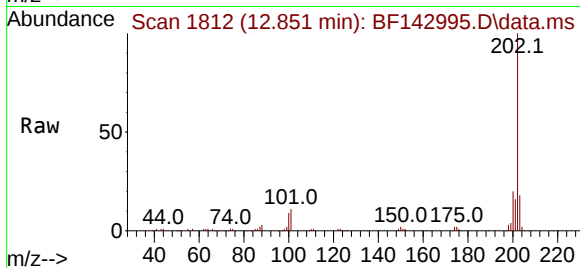
Tgt Ion:202 Resp: 80260

Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 17.9 13.8 20.6



#79

Terphenyl-d14

Concen: 36.752 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

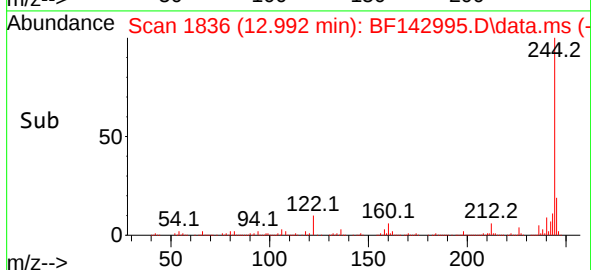
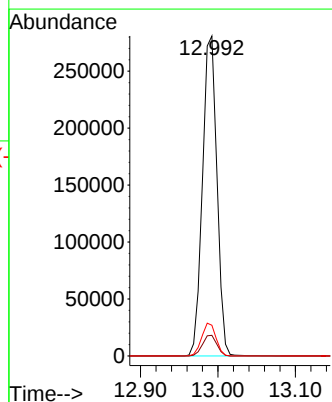
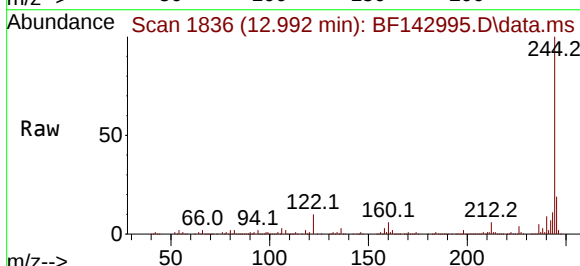
Tgt Ion:244 Resp: 364408

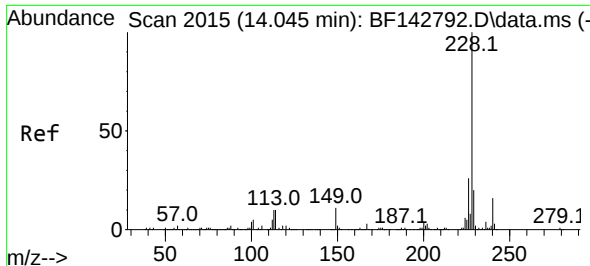
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.6 8.2 12.2

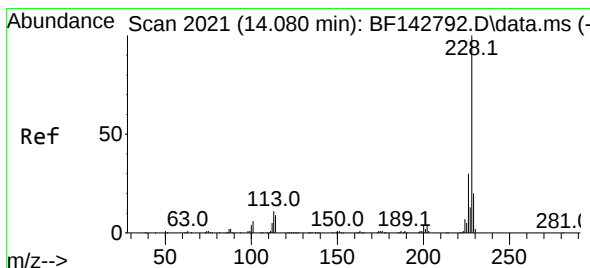
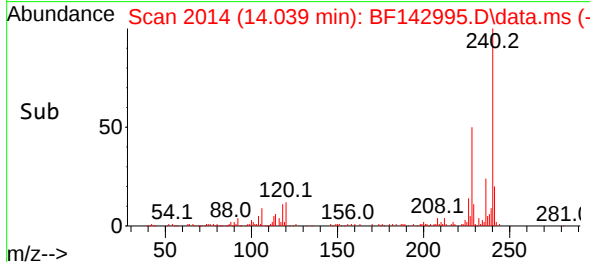
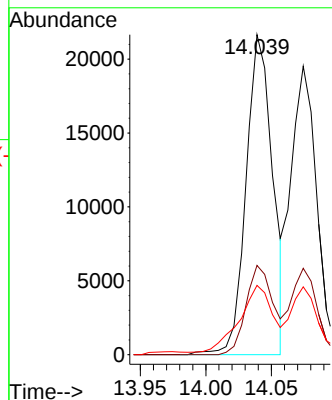
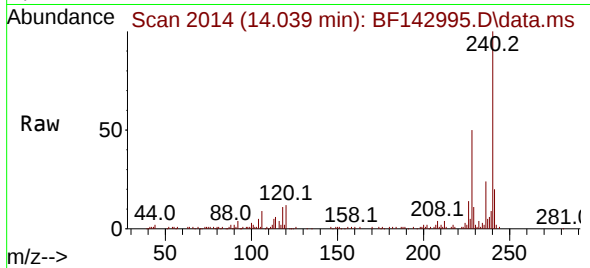




#81
Benzo(a)anthracene
Concen: 3.311 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

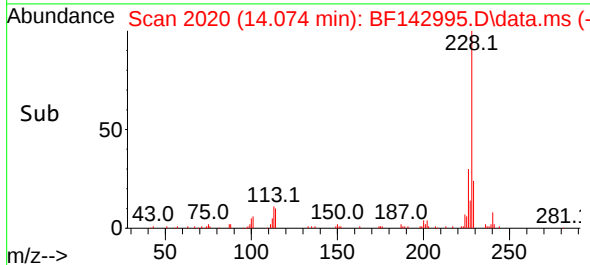
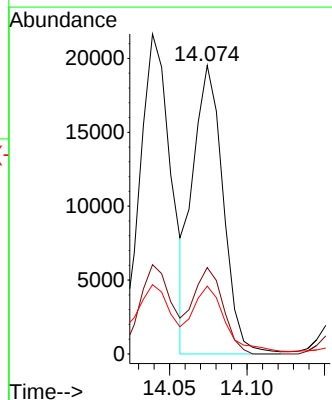
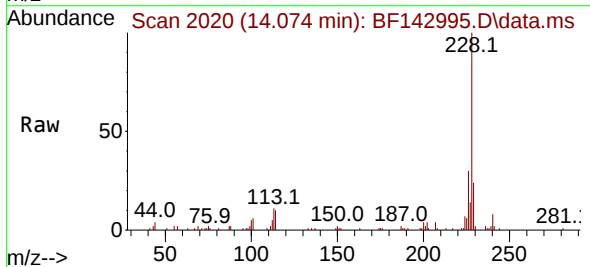
Instrument :
BNA_F
ClientSampleId :
TP-57

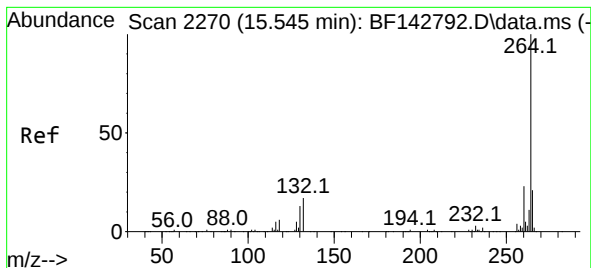
Tgt Ion:228 Resp: 30605
Ion Ratio Lower Upper
228 100
226 27.9 21.2 31.8
229 21.7 15.6 23.4



#83
Chrysene
Concen: 3.217 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion:228 Resp: 26530
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 23.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

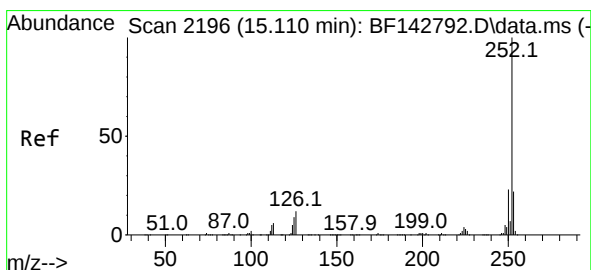
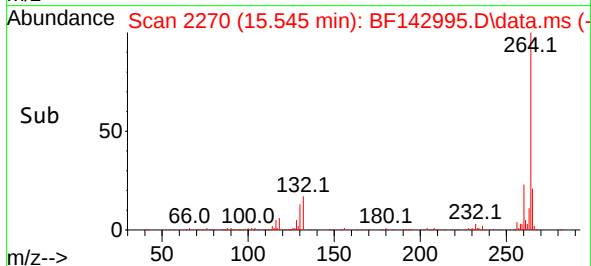
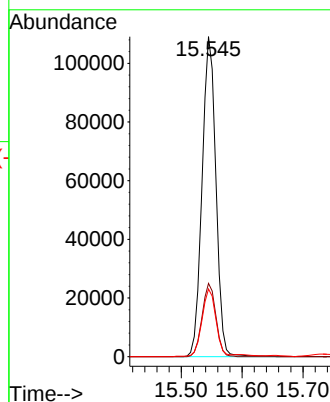
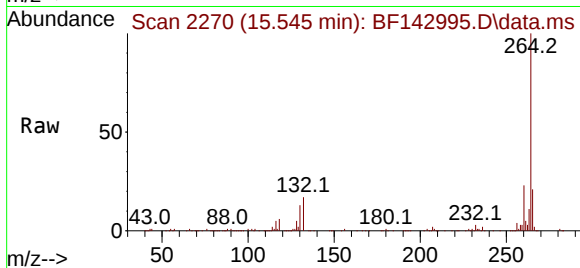
Tgt Ion:264 Resp: 171675

Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

265 21.1 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 5.098 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

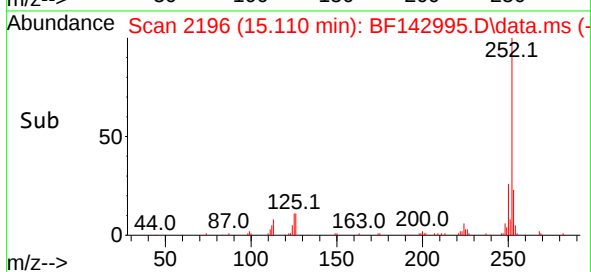
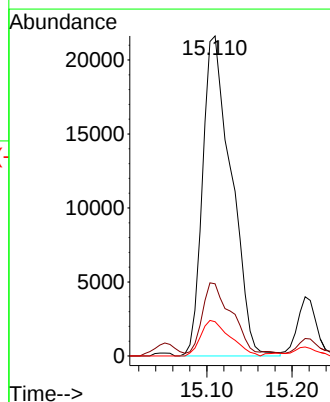
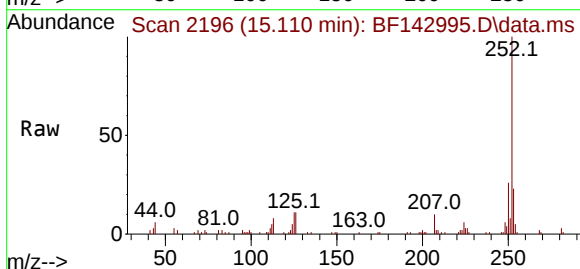
Tgt Ion:252 Resp: 50645

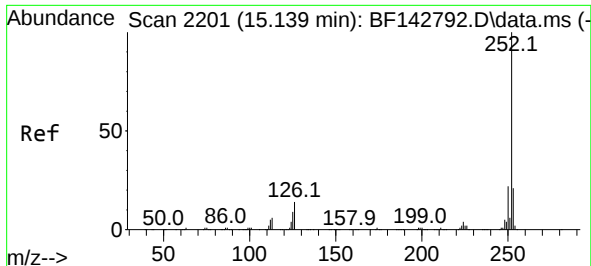
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 5.449 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

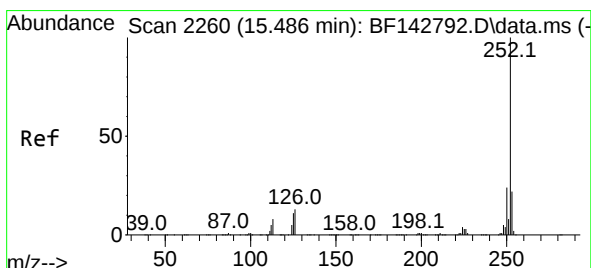
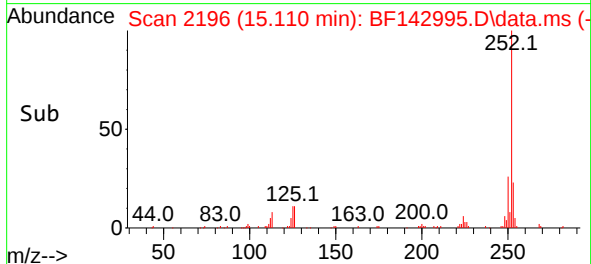
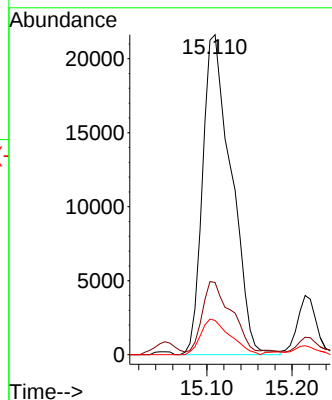
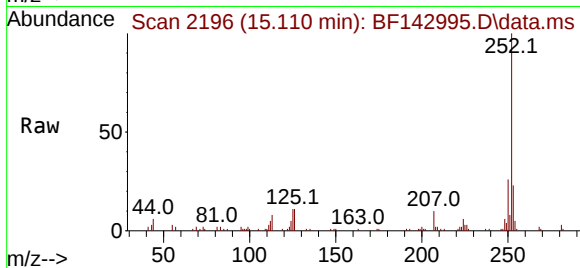
Tgt Ion:252 Resp: 50645

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 10.7 7.4 11.2



#90

Benzo(a)pyrene

Concen: 3.243 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Tgt Ion:252 Resp: 31121

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 9.8 8.6 12.8

