

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143021.D
 Acq On : 07 Jul 2025 21:22
 Operator : RC/JU
 Sample : Q2484-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-64

Quant Time: Jul 08 00:59:47 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)

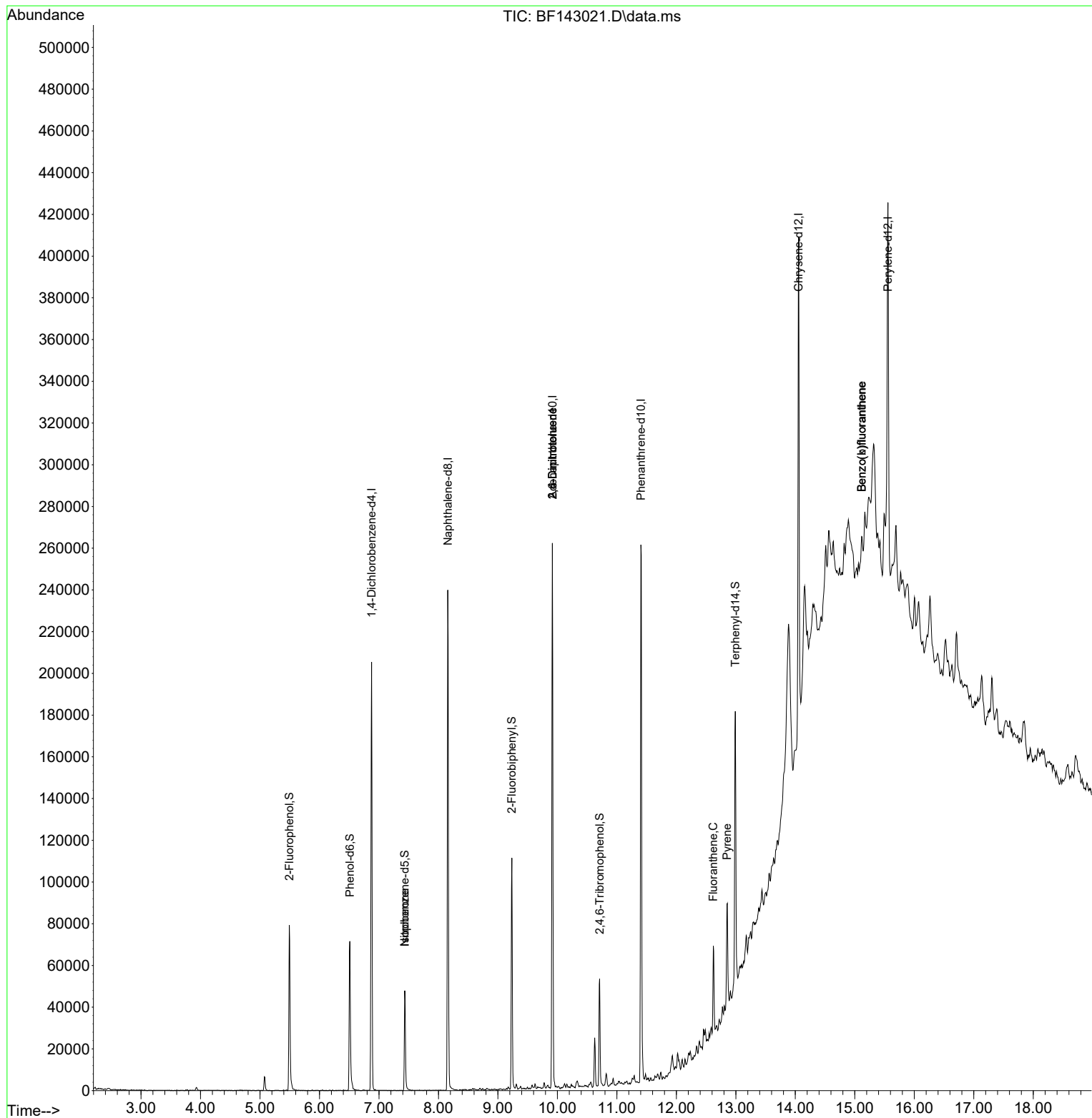
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	45344	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	158652	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	77572	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	140588	20.000	ng	0.00
76) Chrysene-d12	14.057	240	110239	20.000	ng	0.00
86) Perylene-d12	15.557	264	80889	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	35598	13.071	ng	0.00
7) Phenol-d6	6.510	99	39694	12.353	ng	0.00
23) Nitrobenzene-d5	7.434	82	22766	7.871	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	10161	12.729	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	51804	8.773	ng	-0.01
79) Terphenyl-d14	12.992	244	63543	7.964	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	22766	4.907	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	10167	9.220	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	10167	6.941	ng	# 26
75) Fluoranthene	12.622	202	25110	3.474	ng	98
78) Pyrene	12.851	202	28418	2.750	ng	98
88) Benzo(b)fluoranthene	15.116	252	13528	2.890	ng	# 51
89) Benzo(k)fluoranthene	15.116	252	13528	3.089	ng	# 50

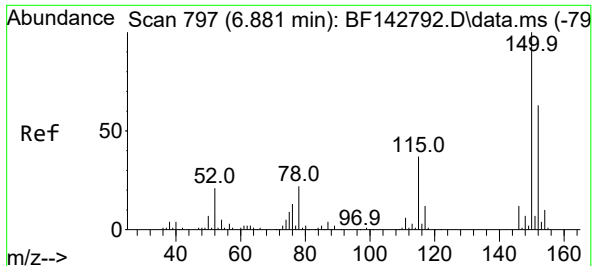
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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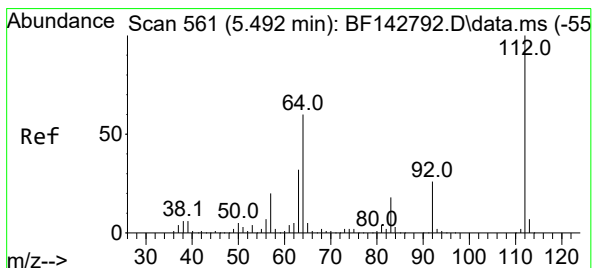
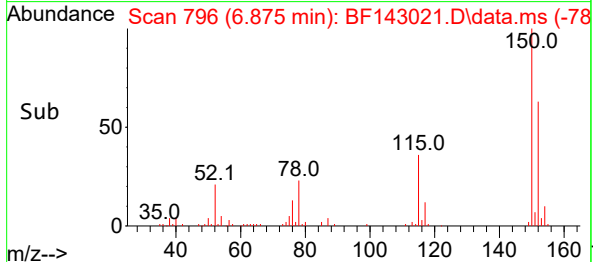
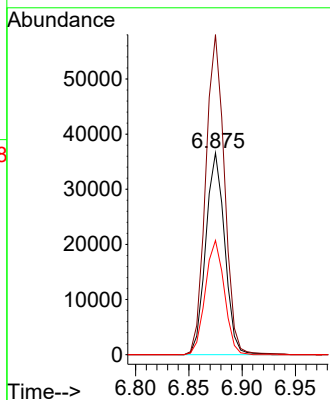
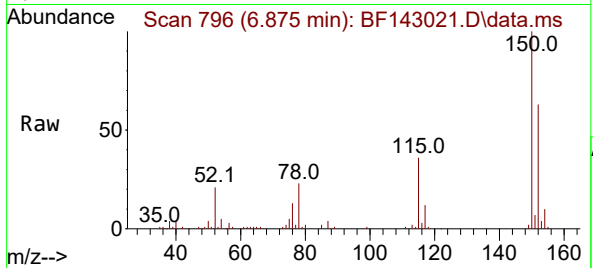




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143021.D
 Acq: 07 Jul 2025 21:22

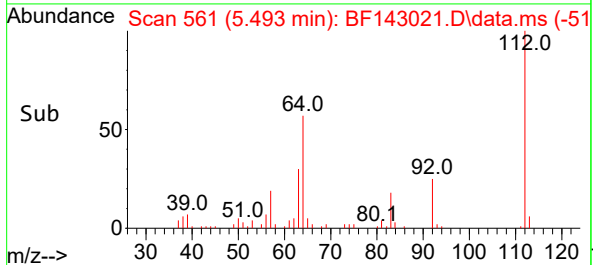
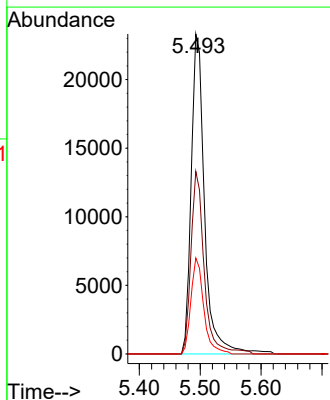
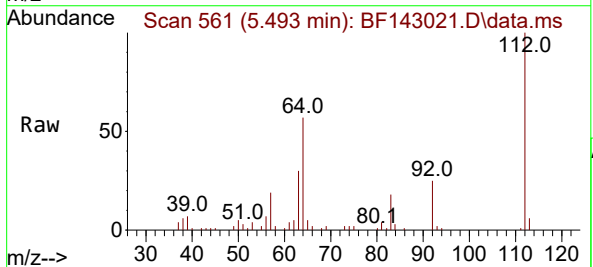
Instrument :
 BNA_F
 ClientSampleId :
 TP-64

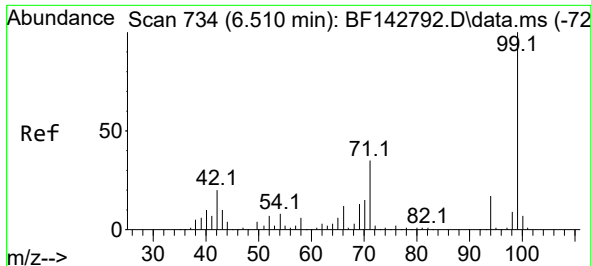
Tgt Ion:152 Resp: 45344
 Ion Ratio Lower Upper
 152 100
 150 158.6 127.2 190.8
 115 56.6 46.6 69.8



#5
 2-Fluorophenol
 Concen: 13.071 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF143021.D
 Acq: 07 Jul 2025 21:22

Tgt Ion:112 Resp: 35598
 Ion Ratio Lower Upper
 112 100
 64 57.1 48.2 72.2
 63 30.0 25.7 38.5

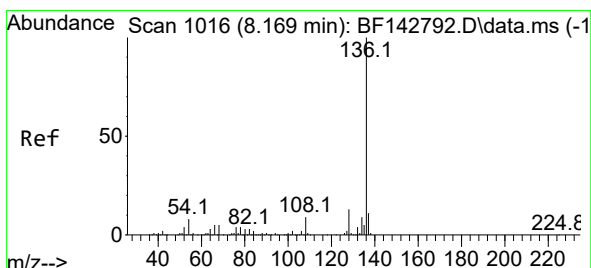
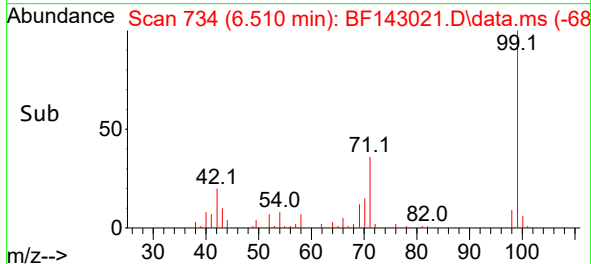
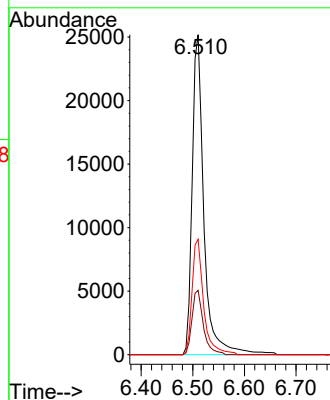
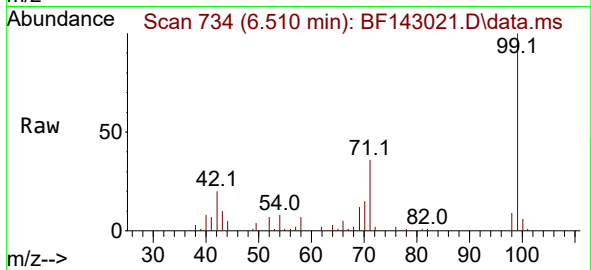




#7
Phenol-d6
Concen: 12.353 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

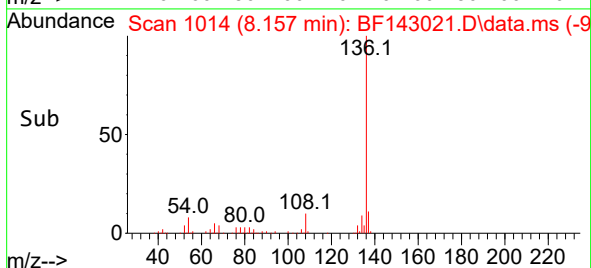
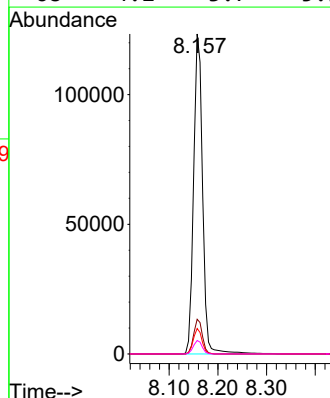
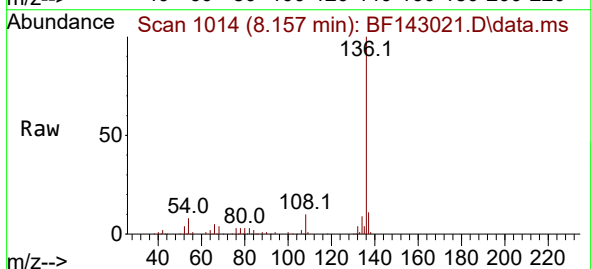
Instrument :
BNA_F
ClientSampleId :
TP-64

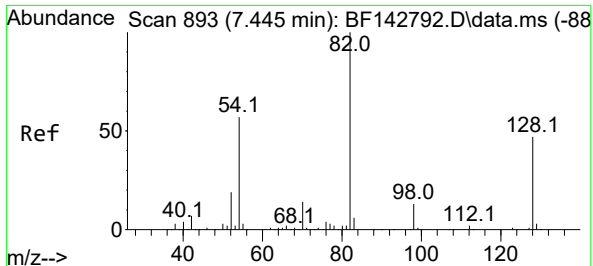
Tgt Ion: 99 Resp: 39694
Ion Ratio Lower Upper
99 100
42 20.1 15.9 23.9
71 36.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

Tgt Ion: 136 Resp: 158652
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 7.871 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

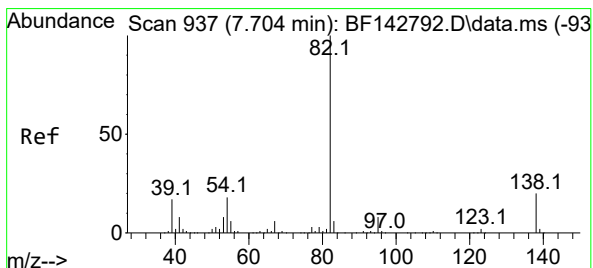
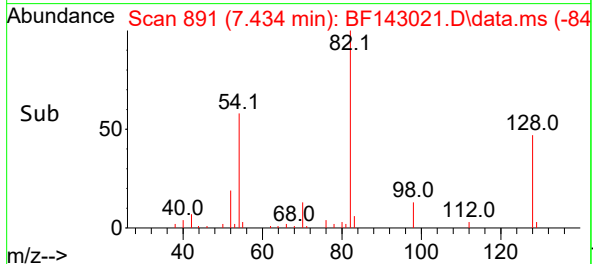
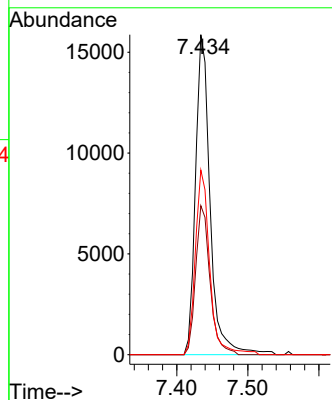
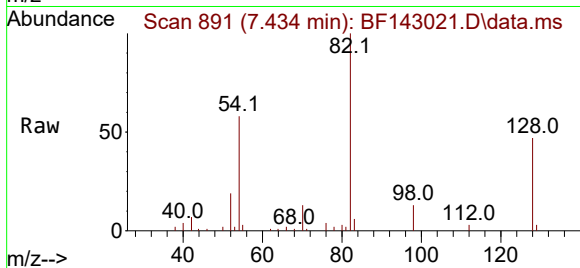
Tgt Ion: 82 Resp: 22766

Ion Ratio Lower Upper

82 100

128 46.6 37.7 56.5

54 57.7 45.7 68.5



#25

Isophorone

Concen: 4.907 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.270 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

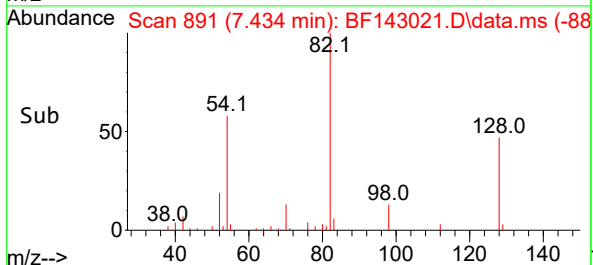
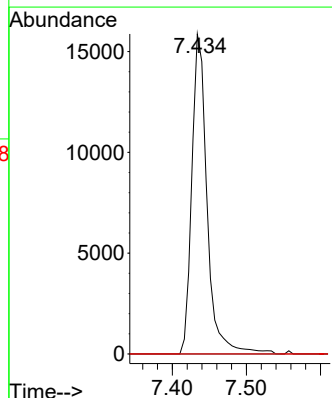
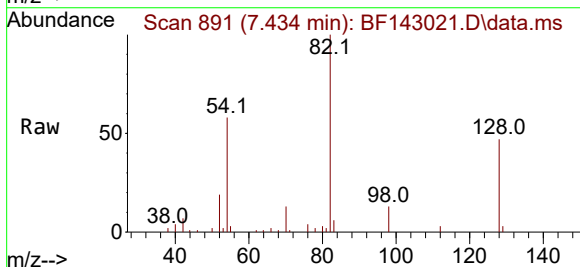
Tgt Ion: 82 Resp: 22766

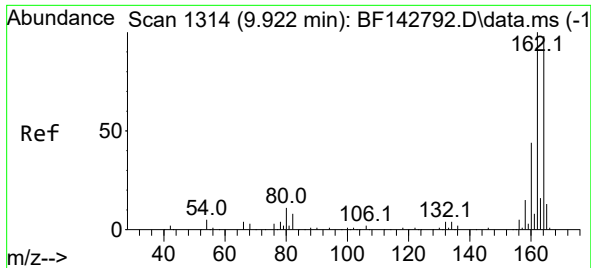
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

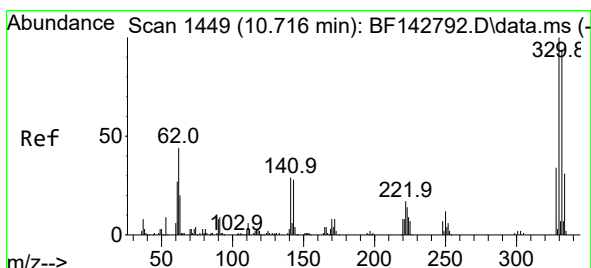
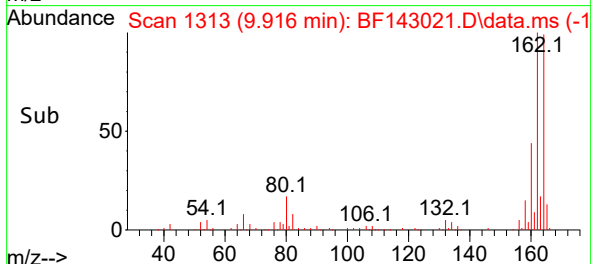
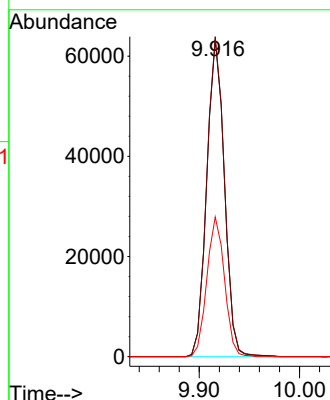
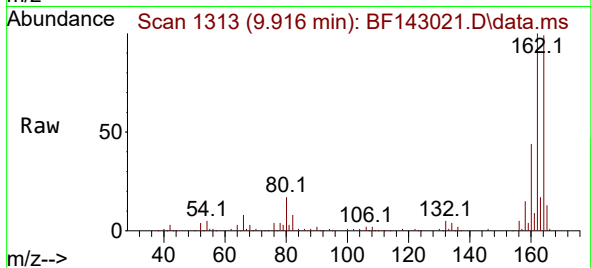
Tgt Ion:164 Resp: 77572

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 44.0 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 12.729 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

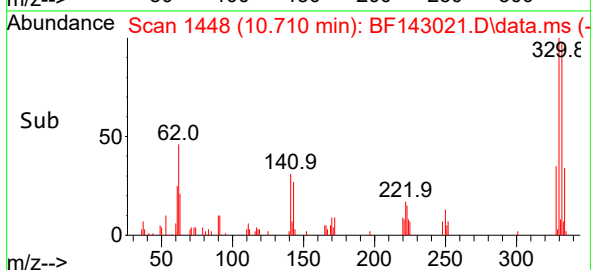
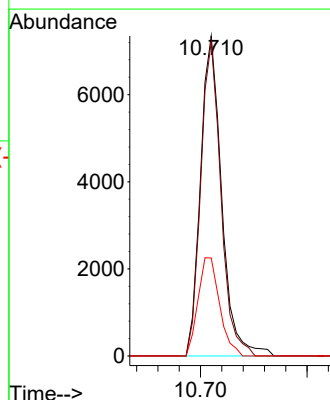
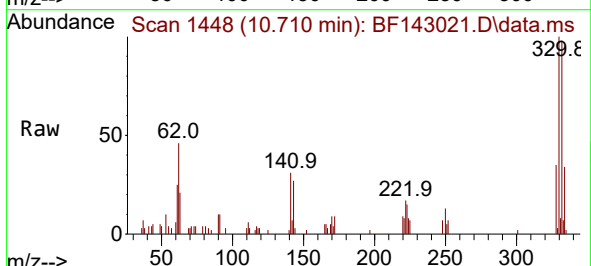
Tgt Ion:330 Resp: 10161

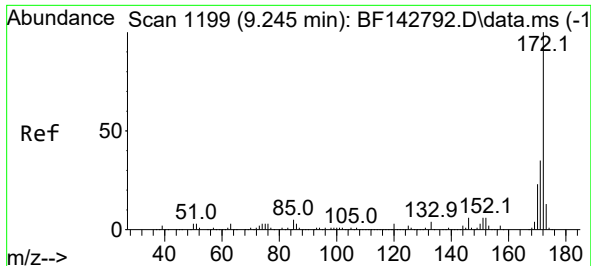
Ion Ratio Lower Upper

330 100

332 93.2 75.0 112.6

141 31.3 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 8.773 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

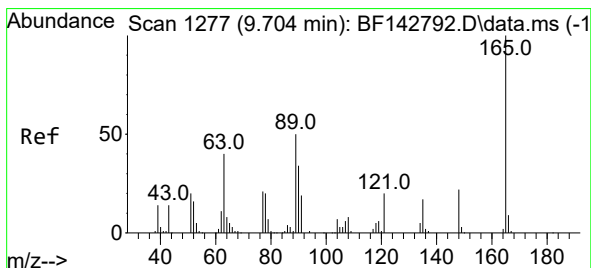
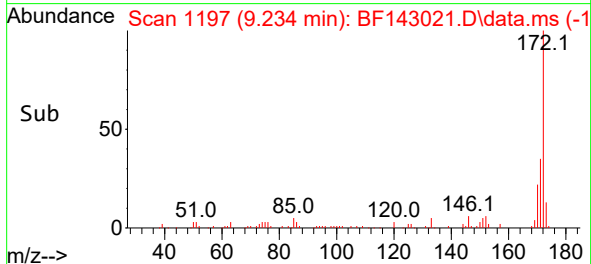
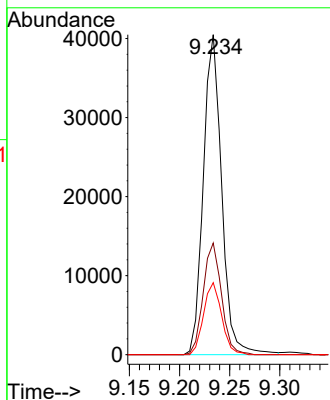
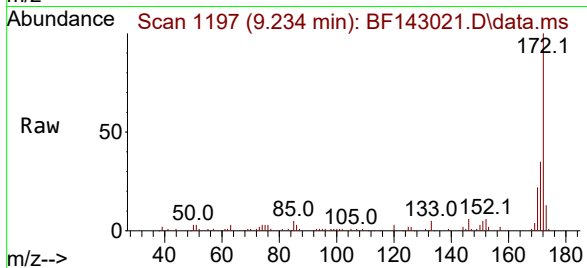
Tgt Ion:172 Resp: 51804

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.5 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.220 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

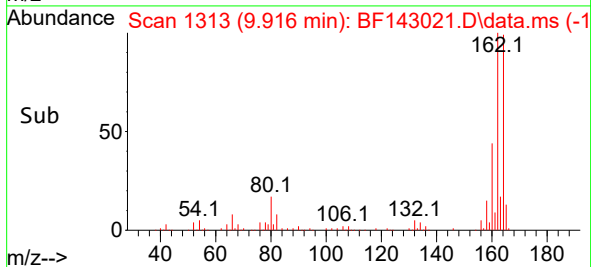
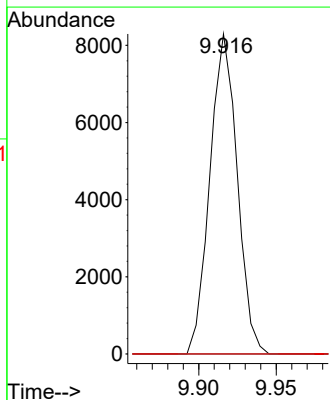
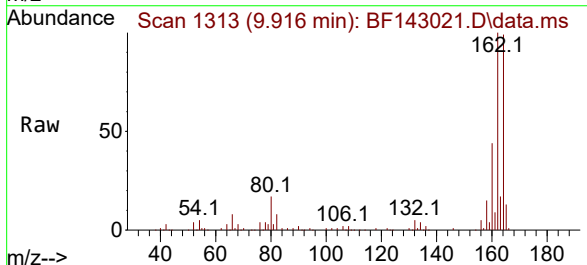
Tgt Ion:165 Resp: 10167

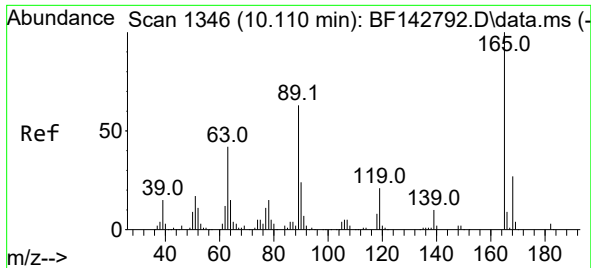
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#

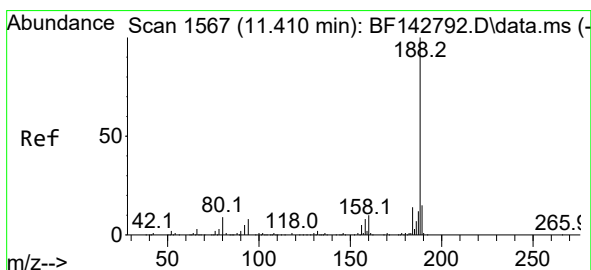
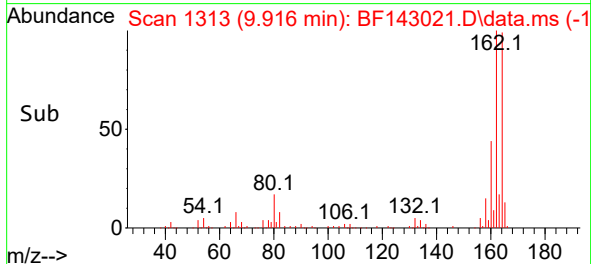
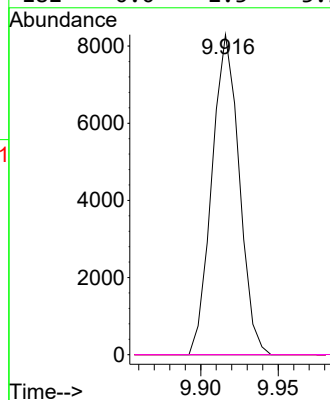
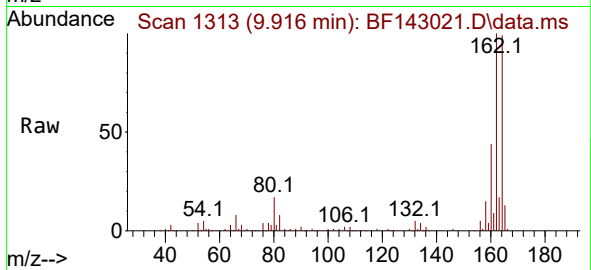




#57
2,4-Dinitrotoluene
Concen: 6.941 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

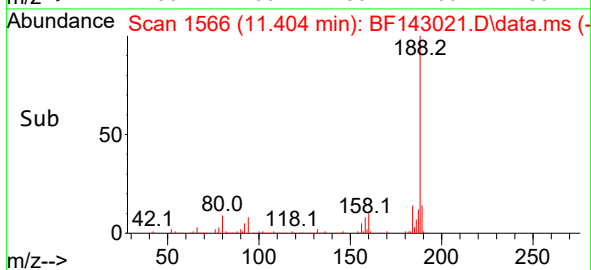
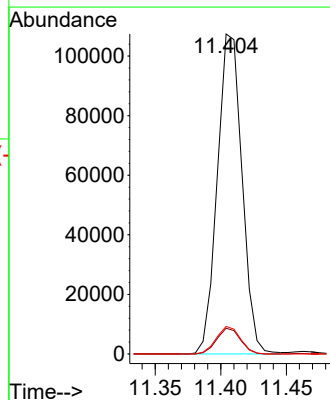
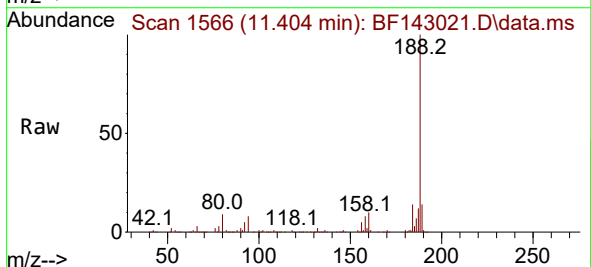
Instrument :
BNA_F
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TP-64

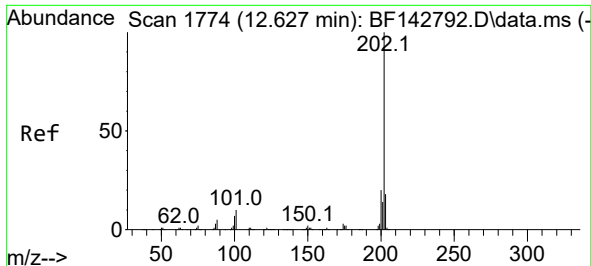
Tgt Ion:165 Resp: 10167
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

Tgt Ion:188 Resp: 140588
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.6 6.9 10.3

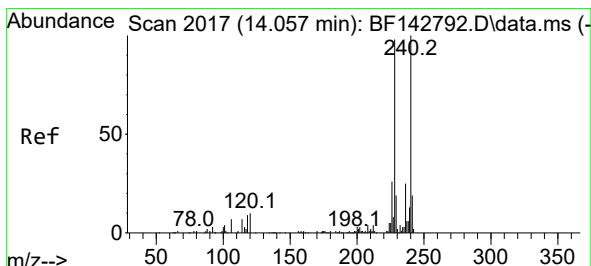
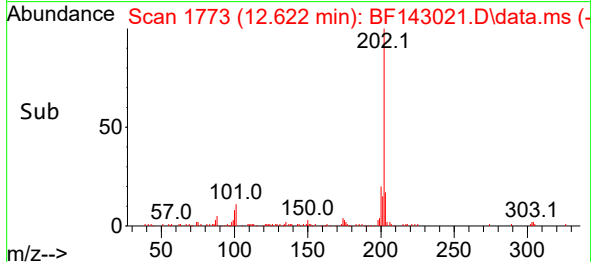
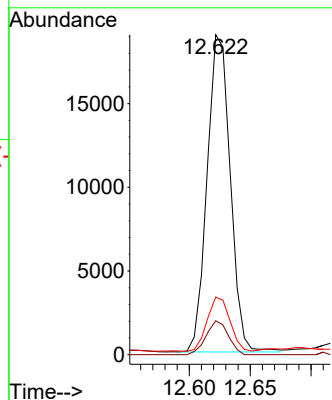
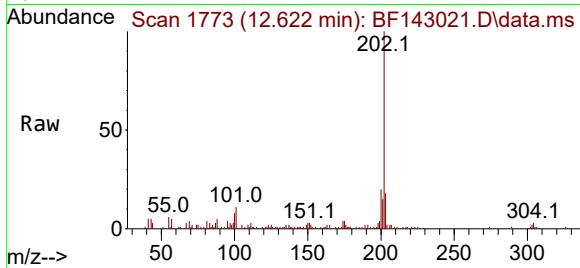




#75
Fluoranthene
Concen: 3.474 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

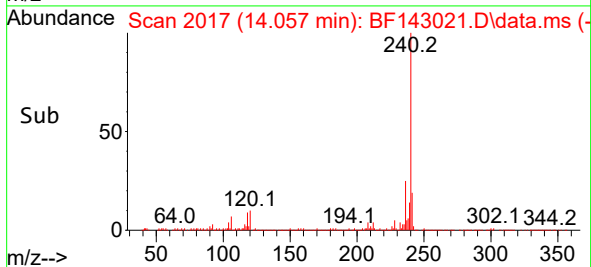
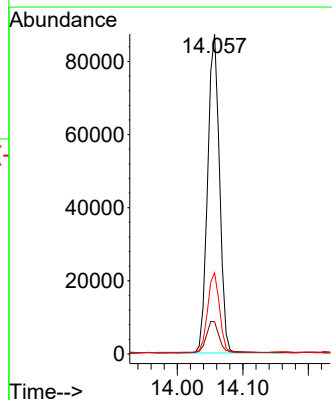
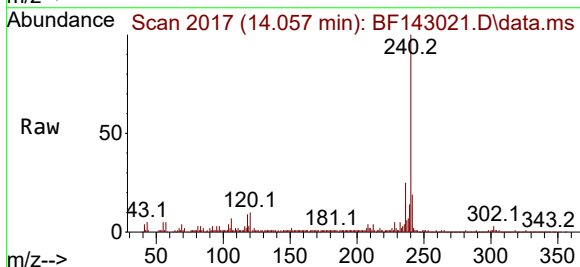
Instrument :
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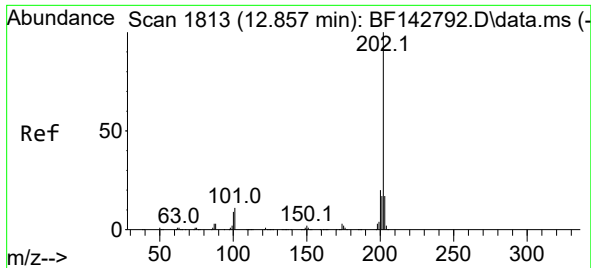
Tgt Ion:	202	Resp:	25110
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	29.7
203	18.0	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

Tgt Ion:	240	Resp:	110239
Ion Ratio	Lower	Upper	
240	100		
120	10.1	8.2	12.2
236	25.3	19.8	29.8

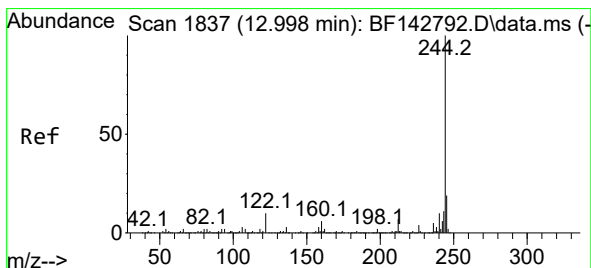
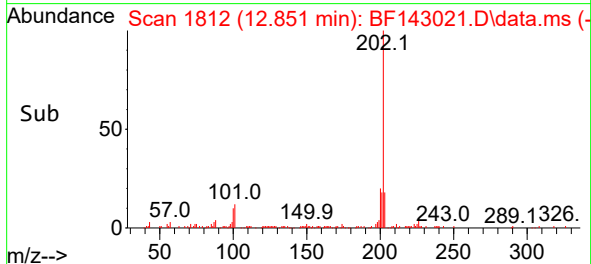
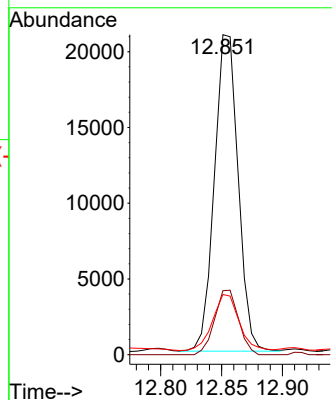
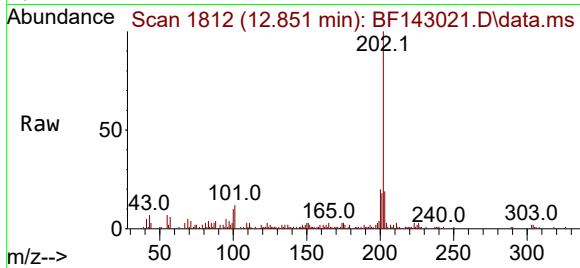




#78
 Pyrene
 Concen: 2.750 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143021.D
 Acq: 07 Jul 2025 21:22

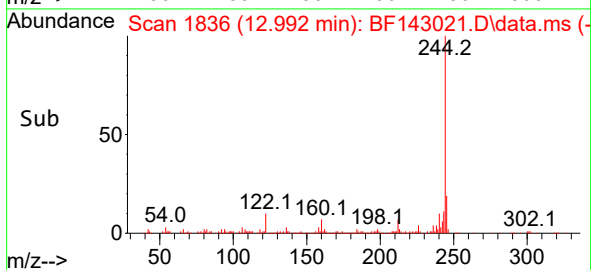
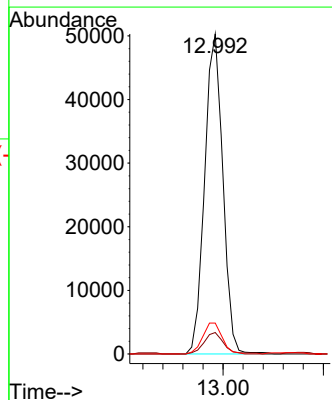
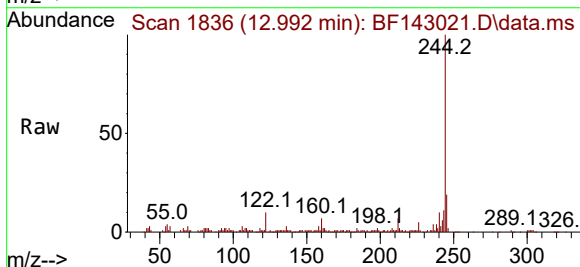
Instrument :
 BNA_F
 ClientSampleId :
 TP-64

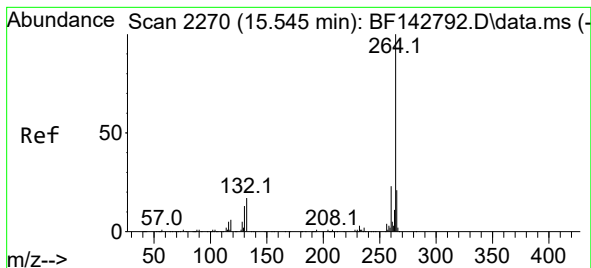
Tgt Ion:	202	Resp:	28418
Ion Ratio	Lower	Upper	
202	100		
200	20.0	15.7	23.5
203	18.8	13.8	20.6



#79
 Terphenyl-d14
 Concen: 7.964 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143021.D
 Acq: 07 Jul 2025 21:22

Tgt Ion:	244	Resp:	63543
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	9.7	8.2	12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

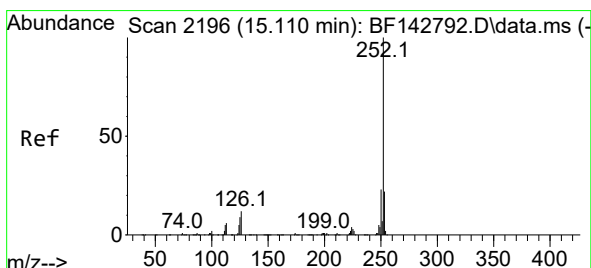
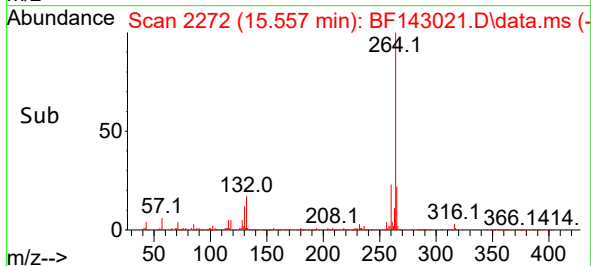
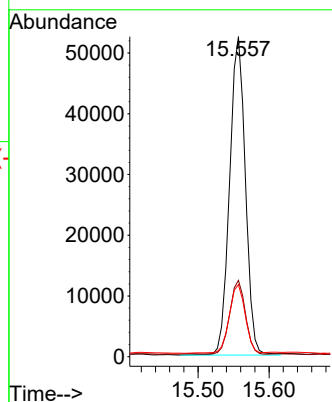
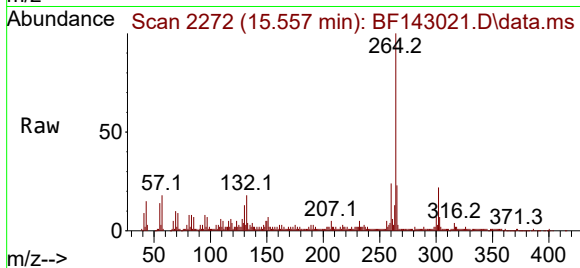
Tgt Ion:264 Resp: 80889

Ion Ratio Lower Upper

264 100

260 23.8 18.1 27.1

265 22.5 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.890 ng

RT: 15.116 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

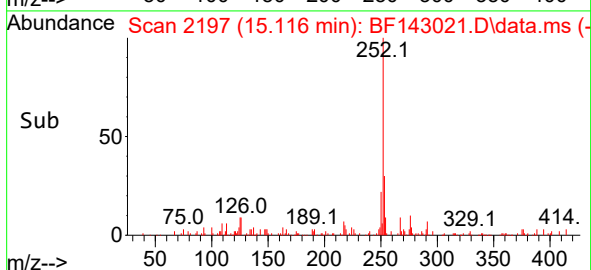
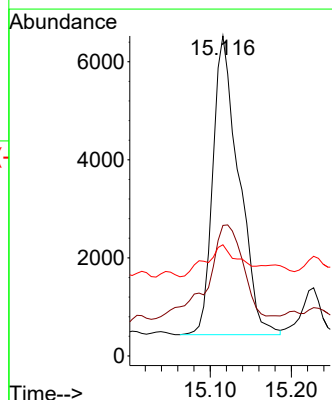
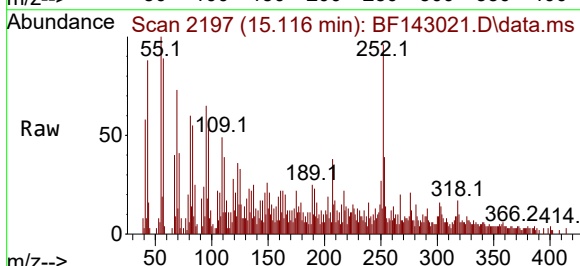
Tgt Ion:252 Resp: 13528

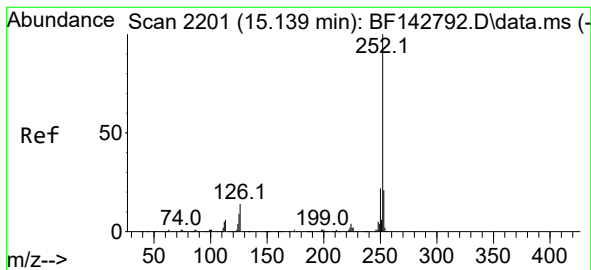
Ion Ratio Lower Upper

252 100

253 40.8 17.5 26.3#

125 34.8 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.089 ng

RT: 15.116 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF143021.D

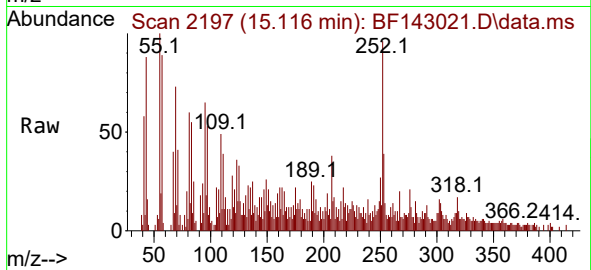
Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64



Tgt Ion:252 Resp: 13528

Ion Ratio Lower Upper

252 100

253 40.8 17.2 25.8#

125 34.8 7.4 11.2#

