

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143065.D
 Acq On : 09 Jul 2025 19:33
 Operator : RC/JU
 Sample : Q2529-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-102

Quant Time: Jul 10 00:57:28 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)

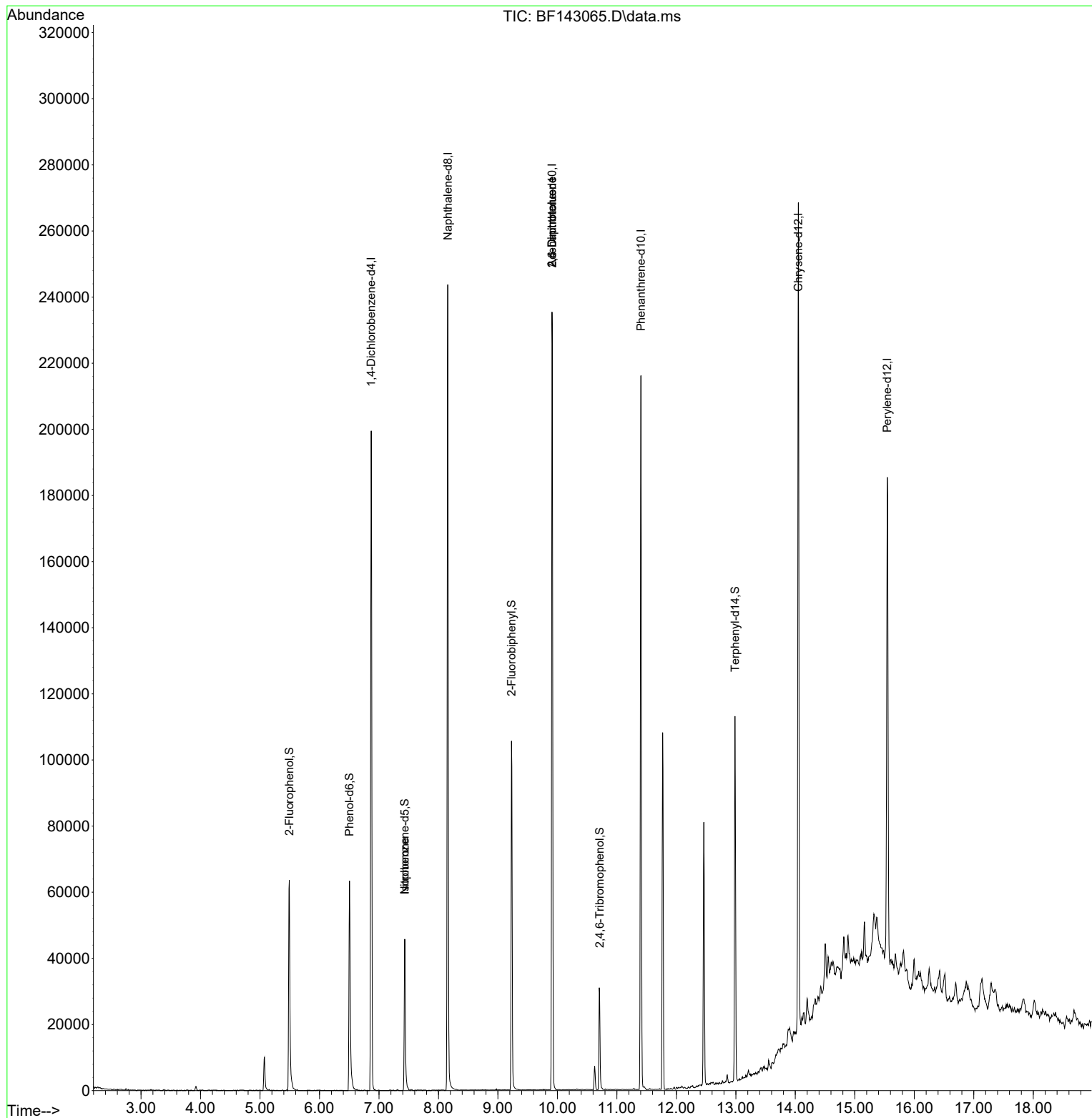
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	44597	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	162685	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	74800	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	114652	20.000	ng	0.00
76) Chrysene-d12	14.051	240	120675	20.000	ng	0.00
86) Perylene-d12	15.545	264	79996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	32425	12.105	ng	0.00
7) Phenol-d6	6.504	99	37926	12.001	ng	0.00
23) Nitrobenzene-d5	7.433	82	22723	7.661	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	6783	8.812	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	52370	9.197	ng	-0.02
79) Terphenyl-d14	12.986	244	53542	6.130	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.433	82	22723	4.776	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	9637	9.063	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	9637	6.823	ng	# 26

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

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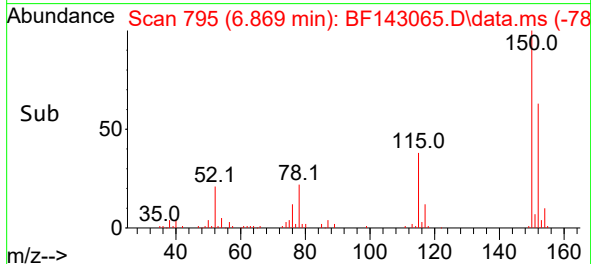
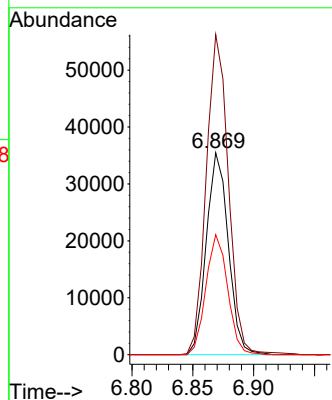
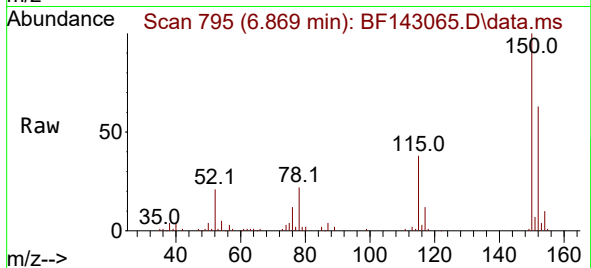




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF143065.D
 Acq: 09 Jul 2025 19:33

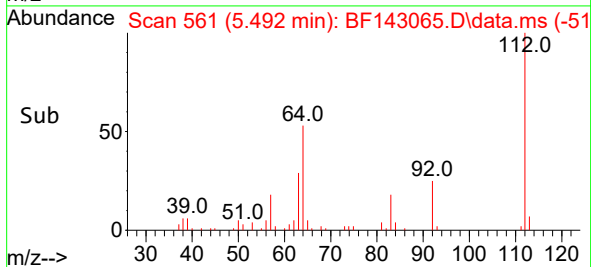
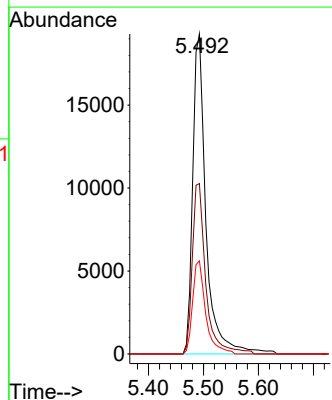
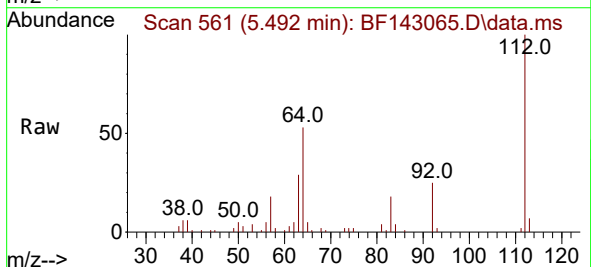
Instrument :
 BNA_F
 ClientSampleId :
 TP-102

Tgt Ion:152 Resp: 44597
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.2 190.8
 115 59.5 46.6 69.8



#5
 2-Fluorophenol
 Concen: 12.105 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF143065.D
 Acq: 09 Jul 2025 19:33

Tgt Ion:112 Resp: 32425
 Ion Ratio Lower Upper
 112 100
 64 53.3 48.2 72.2
 63 29.1 25.7 38.5

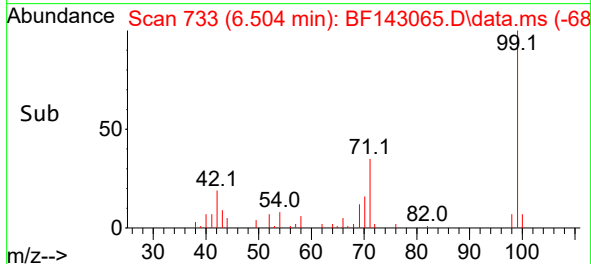
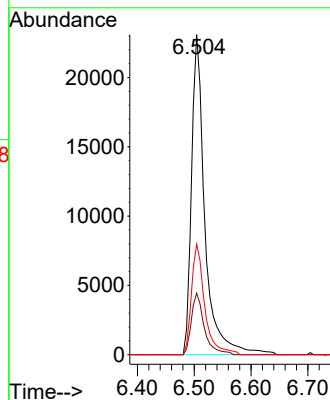
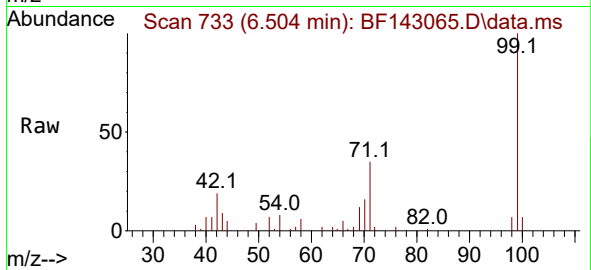




#7
Phenol-d6
Concen: 12.001 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143065.D
Acq: 09 Jul 2025 19:33

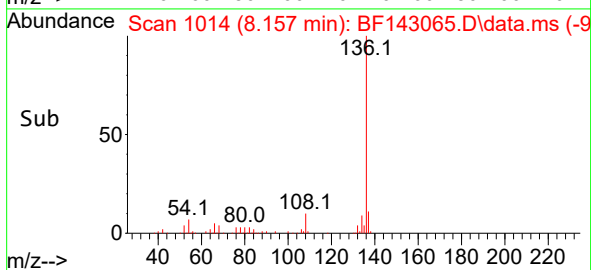
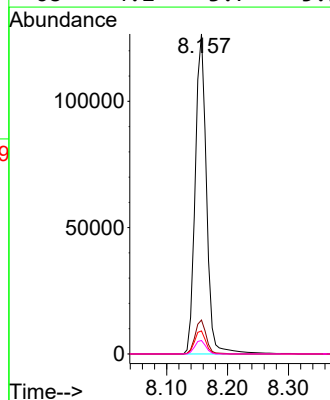
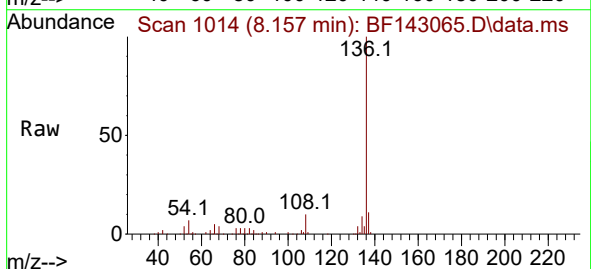
Instrument :
BNA_F
ClientSampleId :
TP-102

Tgt Ion: 99 Resp: 37926
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 34.6 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: BF143065.D
Acq: 09 Jul 2025 19:33

Tgt Ion: 136 Resp: 162685
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.2 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 7.661 ng

RT: 7.433 min Scan# 891

Delta R.T. -0.012 min

Lab File: BF143065.D

Acq: 09 Jul 2025 19:33

Instrument :

BNA_F

ClientSampleId :

TP-102

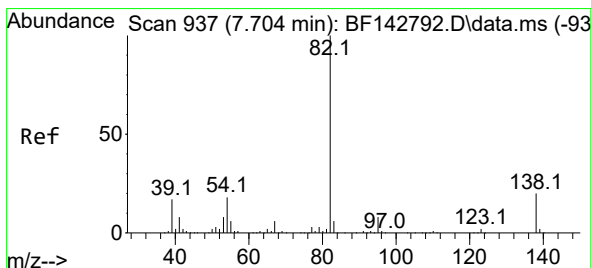
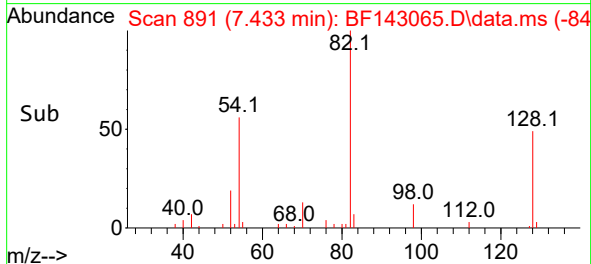
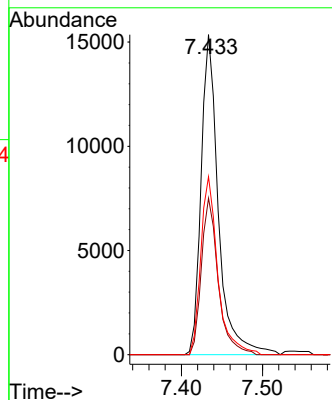
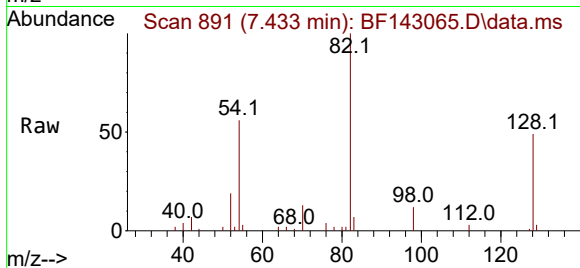
Tgt Ion: 82 Resp: 22723

Ion Ratio Lower Upper

82 100

128 48.9 37.7 56.5

54 55.6 45.7 68.5



#25

Isophorone

Concen: 4.776 ng

RT: 7.433 min Scan# 891

Delta R.T. -0.271 min

Lab File: BF143065.D

Acq: 09 Jul 2025 19:33

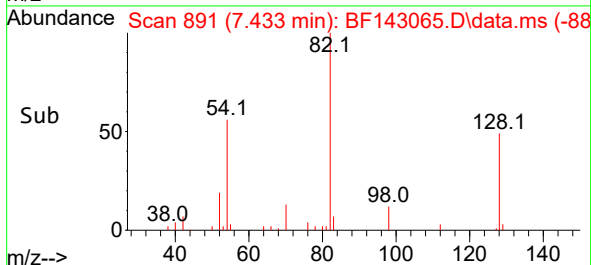
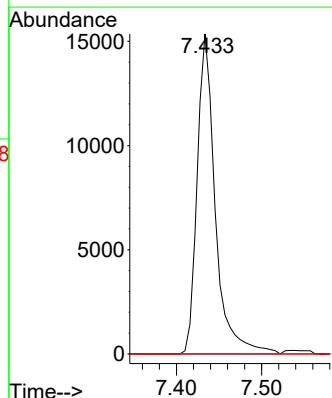
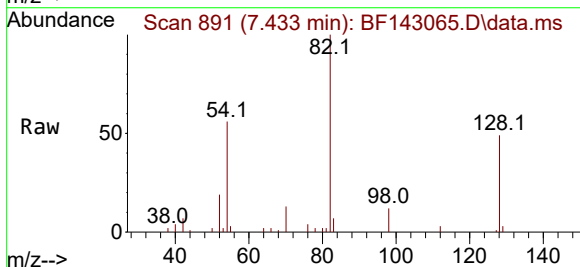
Tgt Ion: 82 Resp: 22723

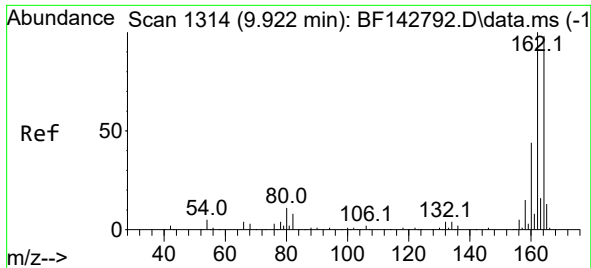
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#

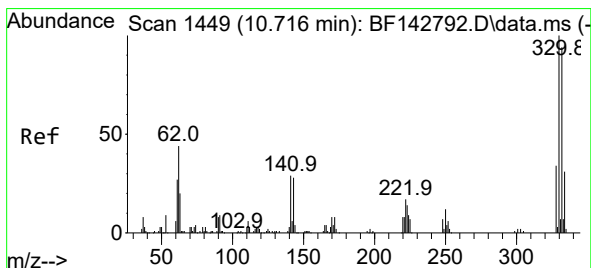
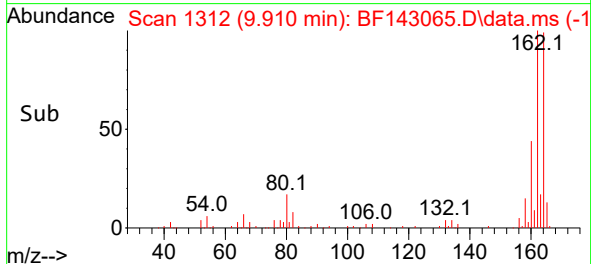
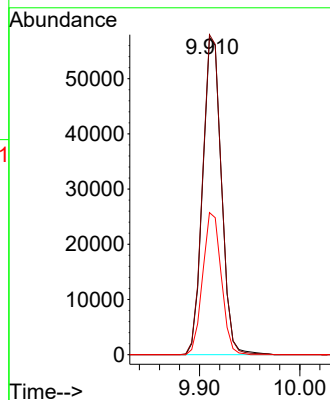
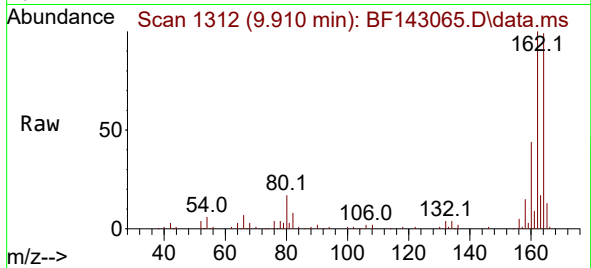




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143065.D
Acq: 09 Jul 2025 19:33

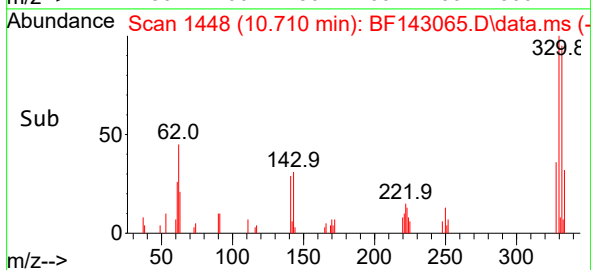
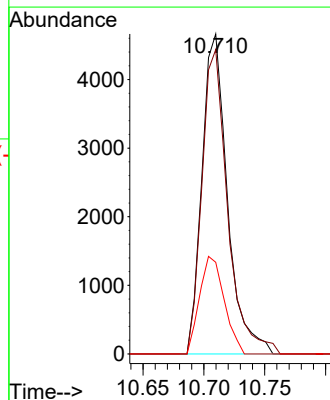
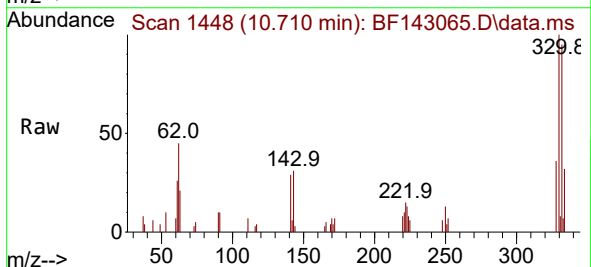
Instrument :
BNA_F
ClientSampleId :
TP-102

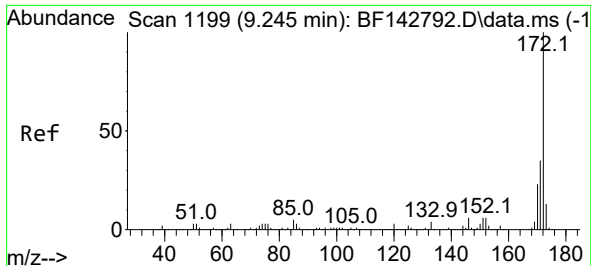
Tgt Ion:164 Resp: 74800
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 44.8 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 8.812 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143065.D
Acq: 09 Jul 2025 19:33

Tgt Ion:330 Resp: 6783
Ion Ratio Lower Upper
330 100
332 96.1 75.0 112.6
141 29.5 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 9.197 ng

RT: 9.227 min Scan# 1196

Delta R.T. -0.018 min

Lab File: BF143065.D

Acq: 09 Jul 2025 19:33

Instrument :

BNA_F

ClientSampleId :

TP-102

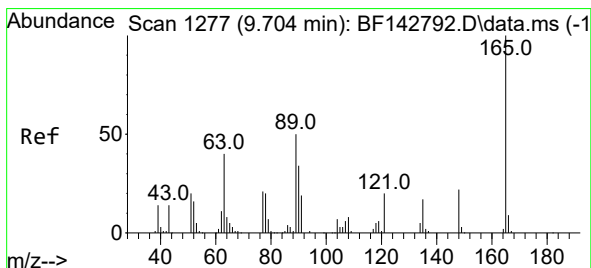
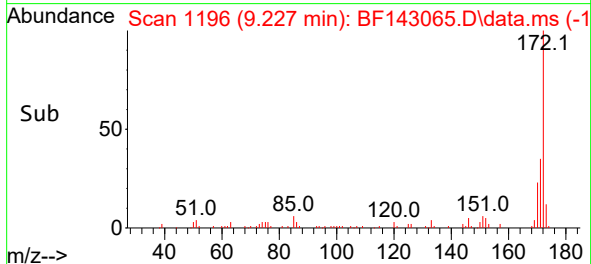
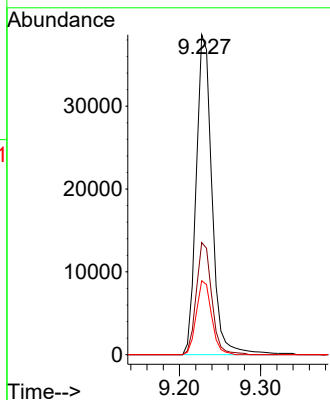
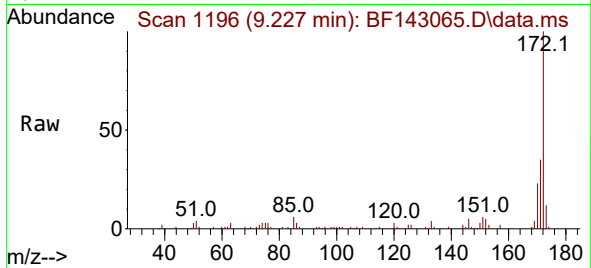
Tgt Ion:172 Resp: 52370

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.1 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.063 ng

RT: 9.910 min Scan# 1312

Delta R.T. 0.206 min

Lab File: BF143065.D

Acq: 09 Jul 2025 19:33

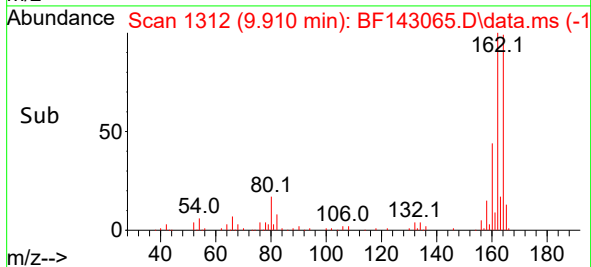
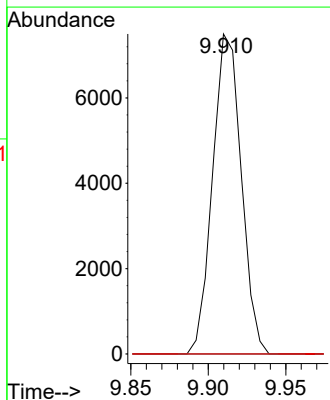
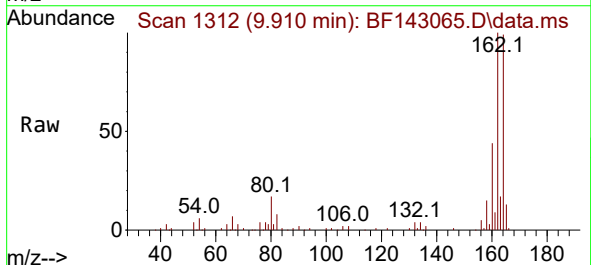
Tgt Ion:165 Resp: 9637

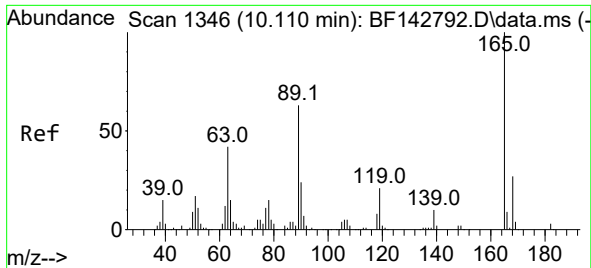
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#

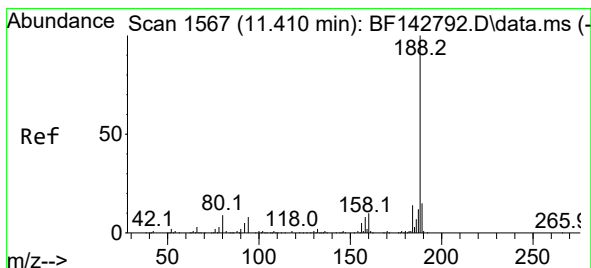
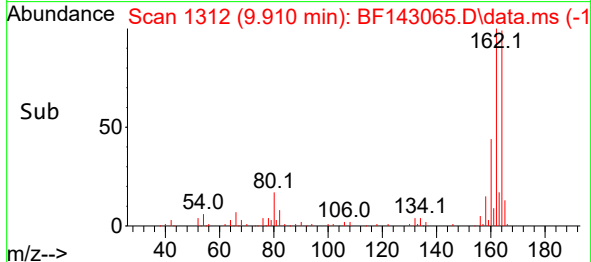
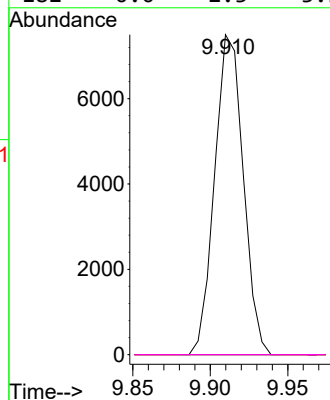
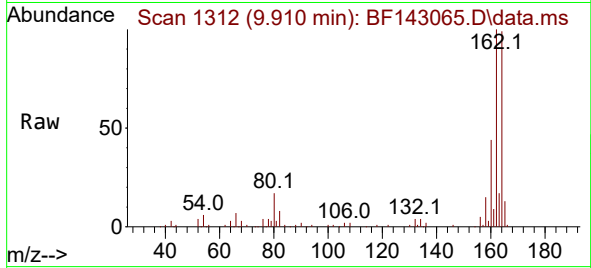




#57
2,4-Dinitrotoluene
Concen: 6.823 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF143065.D
Acq: 09 Jul 2025 19:33

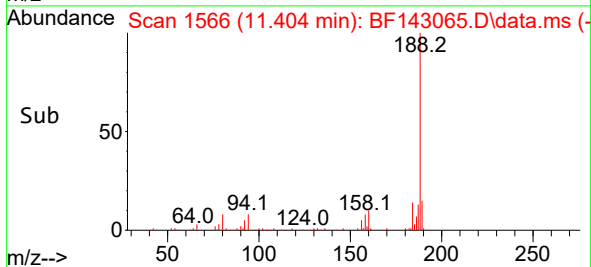
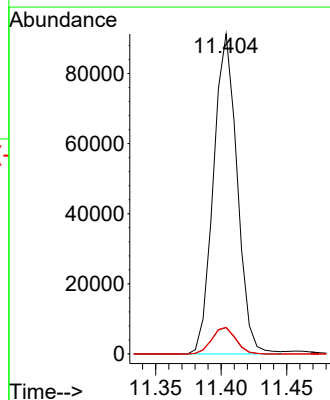
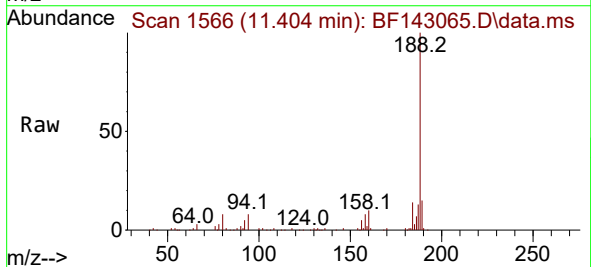
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TP-102

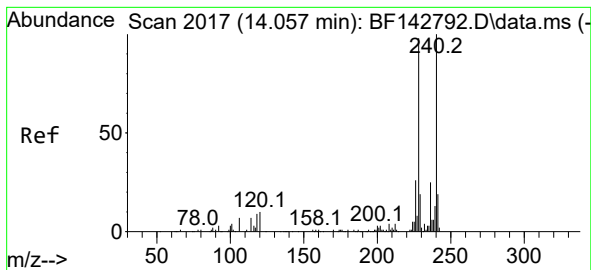
Tgt Ion:165 Resp: 9637
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143065.D
Acq: 09 Jul 2025 19:33

Tgt Ion:188 Resp: 114652
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.4 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143065.D

Acq: 09 Jul 2025 19:33

Instrument :

BNA_F

ClientSampleId :

TP-102

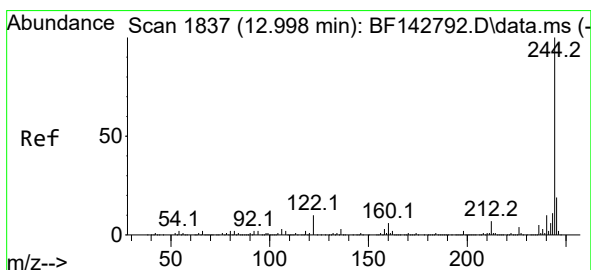
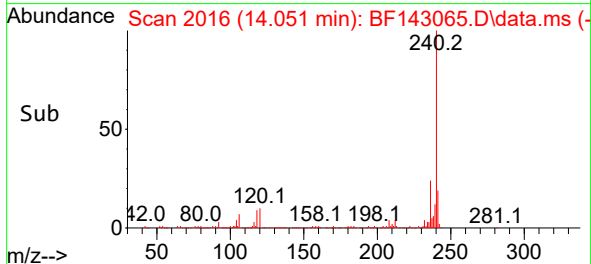
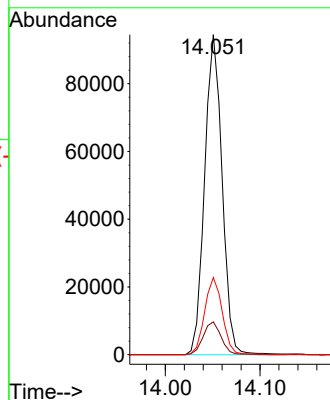
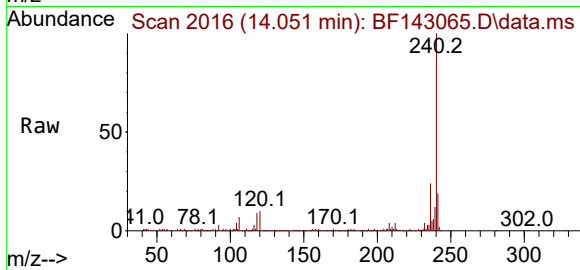
Tgt Ion:240 Resp: 120675

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 24.1 19.8 29.8



#79

Terphenyl-d14

Concen: 6.130 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143065.D

Acq: 09 Jul 2025 19:33

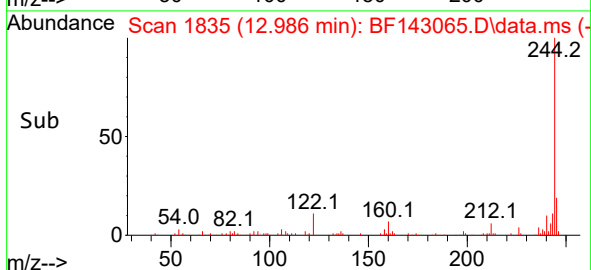
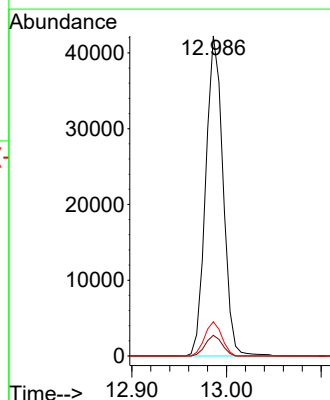
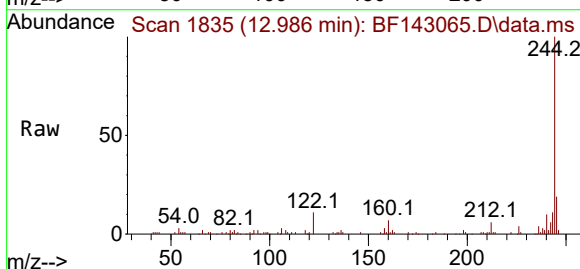
Tgt Ion:244 Resp: 53542

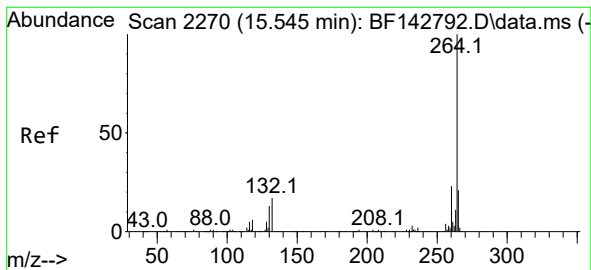
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.7 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143065.D
Acq: 09 Jul 2025 19:33

Instrument :
BNA_F
ClientSampleId :
TP-102

Tgt Ion:264 Resp: 79996
Ion Ratio Lower Upper
264 100
260 22.4 18.1 27.1
265 21.7 16.6 25.0

