

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142500.D
 Acq On : 21 May 2025 21:30
 Operator : RC/JU
 Sample : Q2052-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-B

Quant Time: May 22 01:03:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

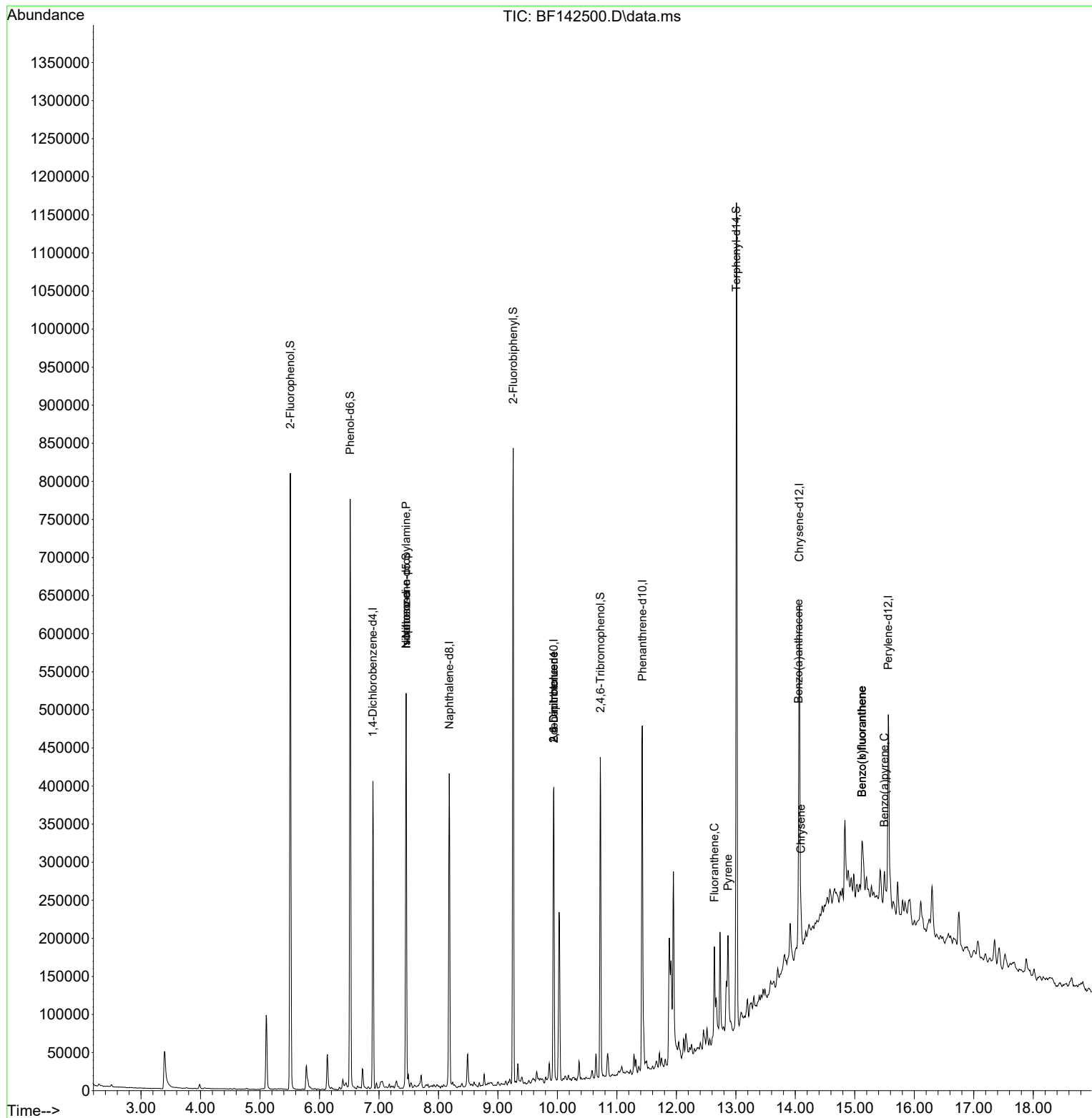
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	84875	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	255008	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	118136	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	237828	20.000	ng	0.00
76) Chrysene-d12	14.068	240	203297	20.000	ng	0.00
86) Perylene-d12	15.562	264	149373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	300471	59.643	ng	0.00
7) Phenol-d6	6.516	99	343795	56.691	ng	-0.02
23) Nitrobenzene-d5	7.457	82	206773	44.215	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	70328	53.638	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	370522	42.086	ng	-0.01
79) Terphenyl-d14	13.010	244	521821	35.076	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.457	70	28343	7.541	ng	# 77
25) Isophorone	7.457	82	197375	25.243	ng	# 63
51) 2,6-Dinitrotoluene	9.939	165	15825	9.406	ng	# 28
57) 2,4-Dinitrotoluene	9.939	165	15825	7.202	ng	# 29
75) Fluoranthene	12.639	202	70825	5.964	ng	99
78) Pyrene	12.868	202	68430	3.608	ng	98
81) Benzo(a)anthracene	14.057	228	37305	2.748	ng	# 91
83) Chrysene	14.092	228	32640	2.676	ng	# 91
88) Benzo(b)fluoranthene	15.121	252	49466	5.595	ng	# 81
89) Benzo(k)fluoranthene	15.121	252	49466	5.974	ng	# 81
90) Benzo(a)pyrene	15.498	252	24128	2.895	ng	# 86

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

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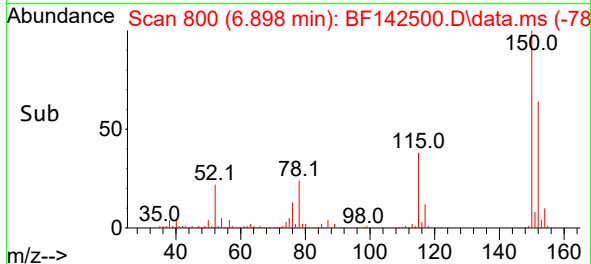
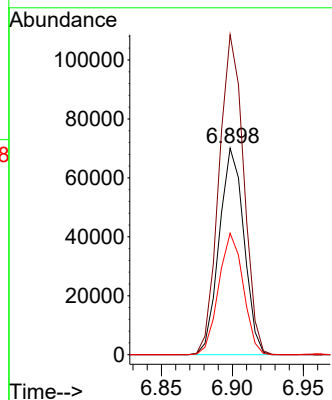
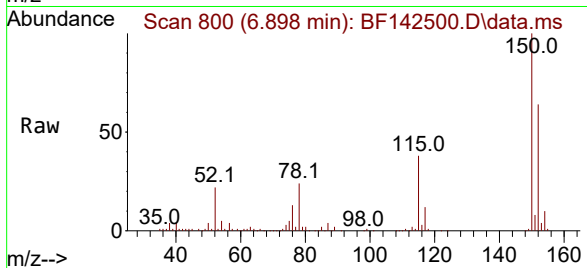




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

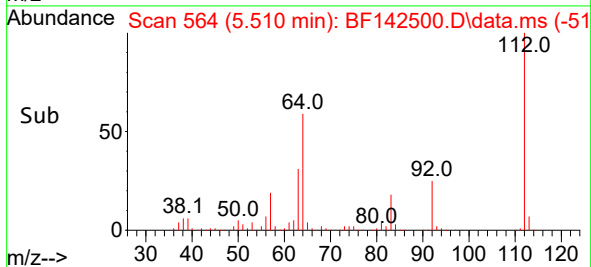
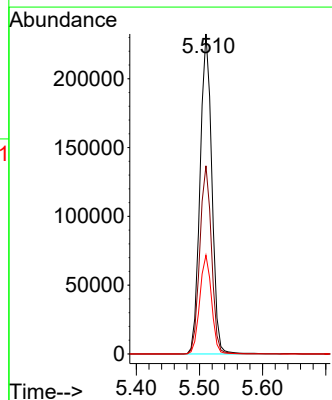
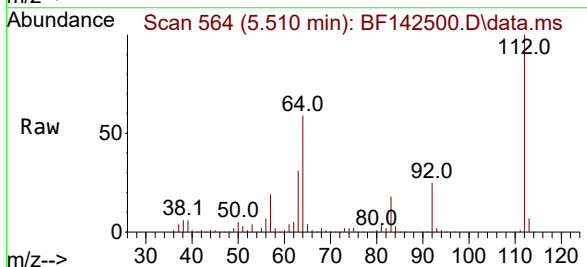
Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:152 Resp: 84875
Ion Ratio Lower Upper
152 100
150 155.0 128.2 192.4
115 58.9 48.3 72.5



#5
2-Fluorophenol
Concen: 59.643 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:112 Resp: 300471
Ion Ratio Lower Upper
112 100
64 58.8 47.5 71.3
63 30.8 24.9 37.3

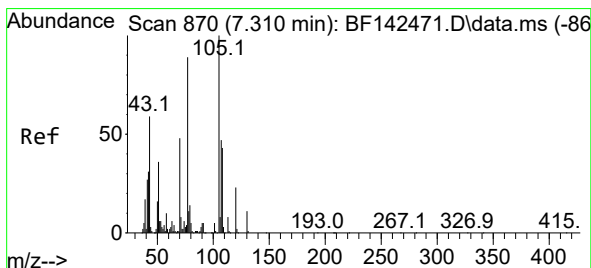
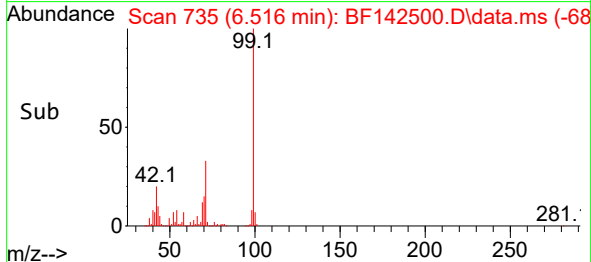
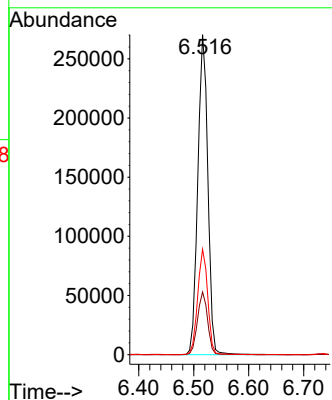
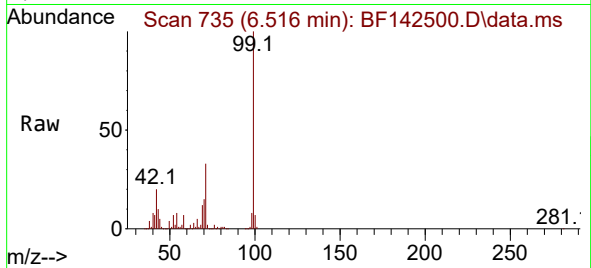




#7
Phenol-d6
Concen: 56.691 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

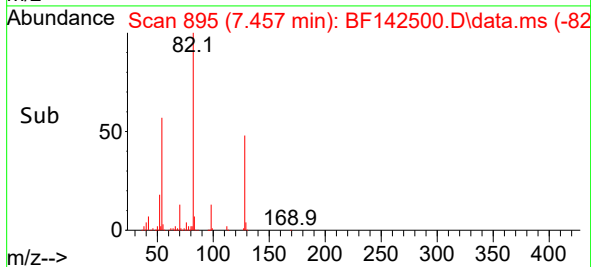
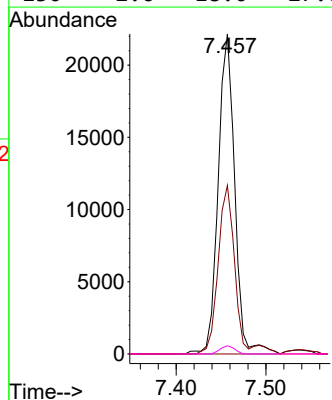
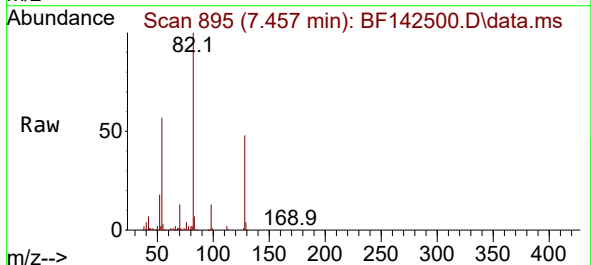
Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion: 99 Resp: 343795
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 33.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.541 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion: 70 Resp: 28343
Ion Ratio Lower Upper
70 100
42 52.7 52.4 78.6
101 0.0 7.8 11.8#
130 2.6 18.0 27.0#

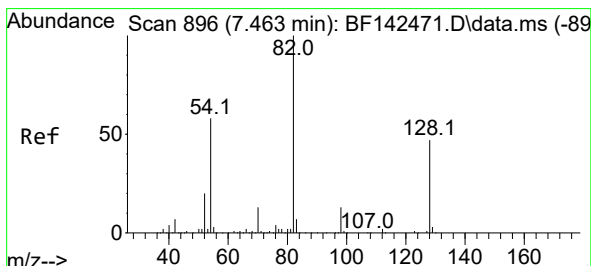
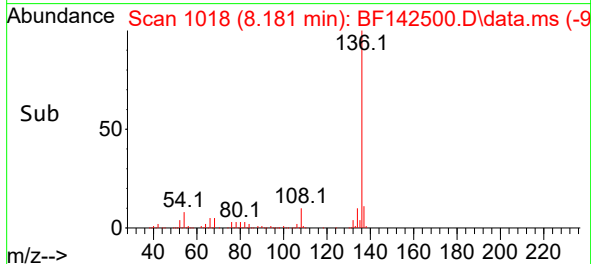
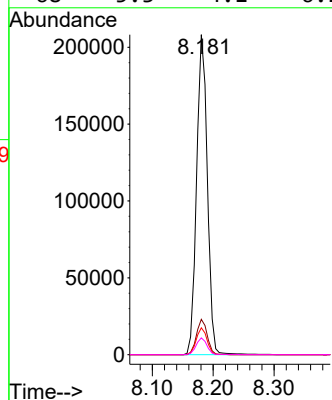
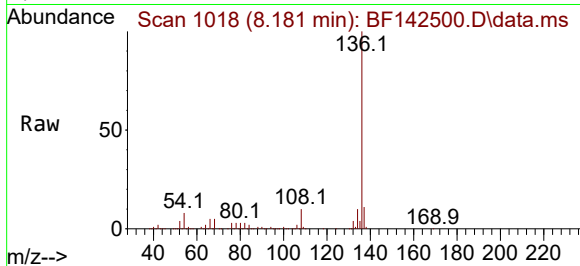




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

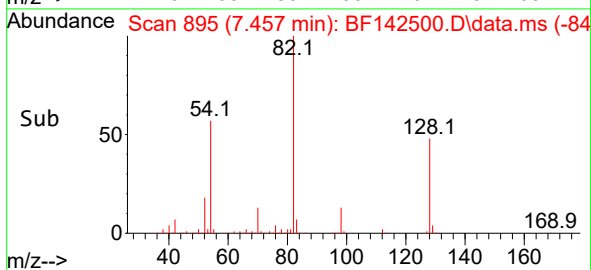
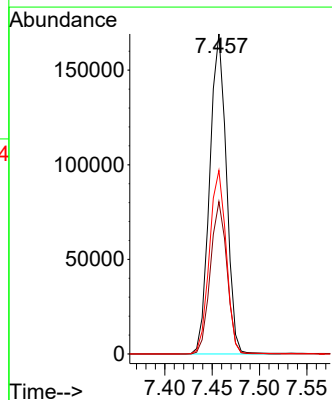
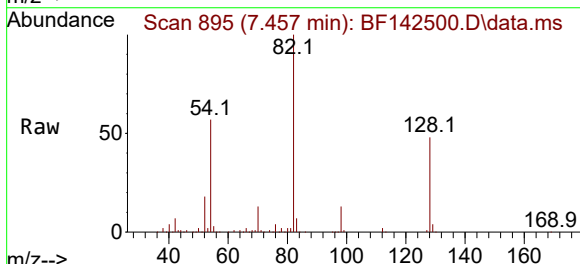
Instrument :
BNA_F
ClientSampleId :
TP-B

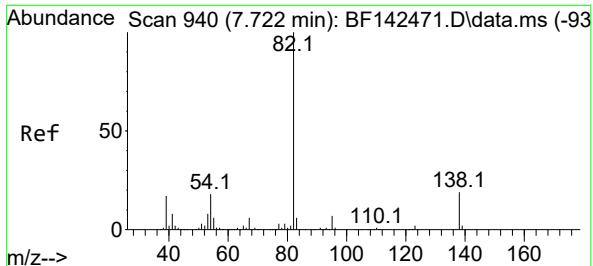
Tgt Ion:	136	Resp:	255008
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 44.215 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:	82	Resp:	206773
Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.4	56.2
54	57.3	46.6	70.0

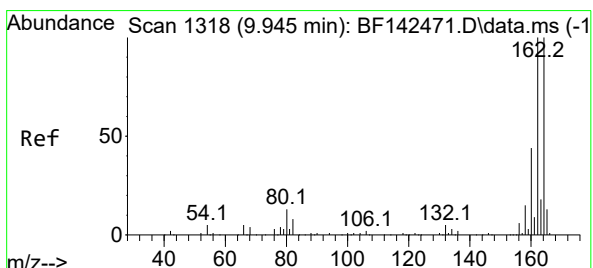
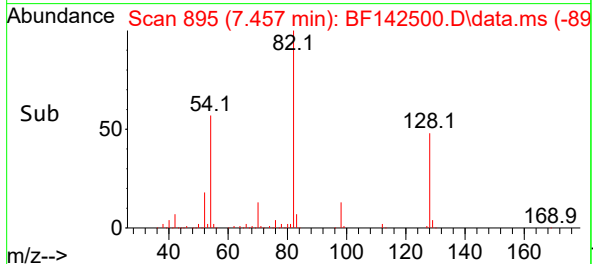
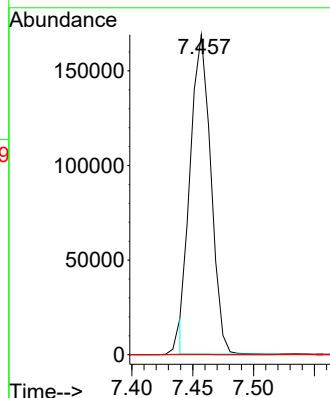
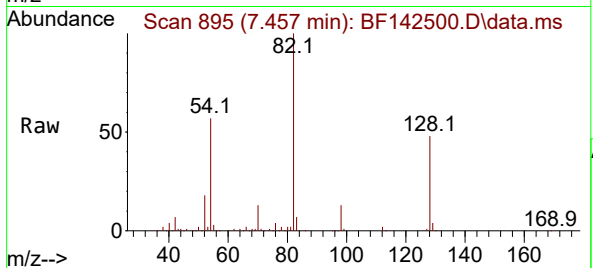




#25
Isophorone
Concen: 25.243 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

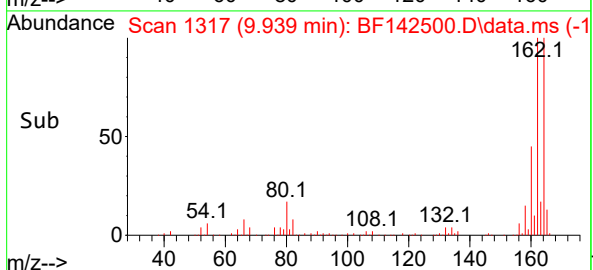
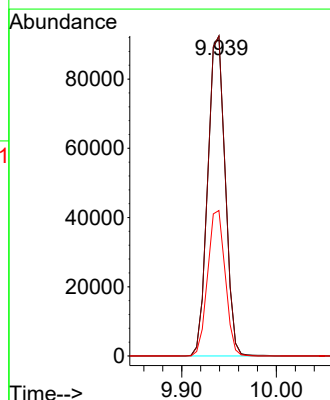
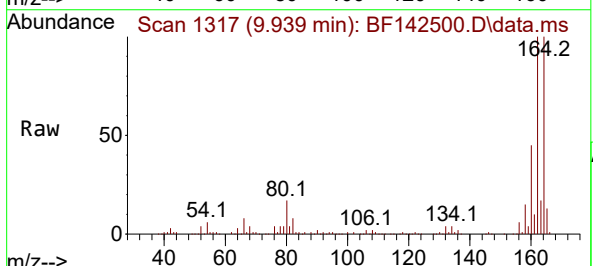
Instrument :
BNA_F
ClientSampleId :
TP-B

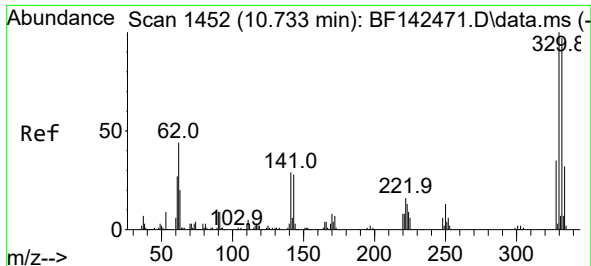
Tgt Ion: 82 Resp: 197375
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:164 Resp: 118136
Ion Ratio Lower Upper
164 100
162 100.0 80.2 120.4
160 45.5 35.6 53.4

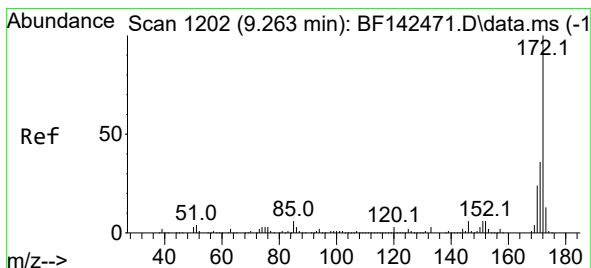
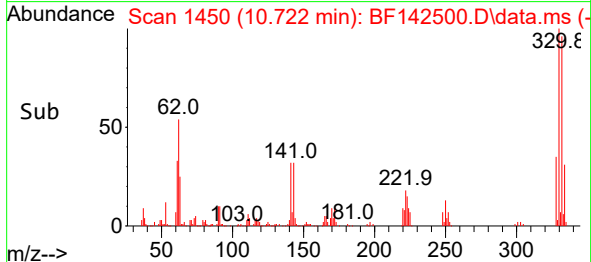
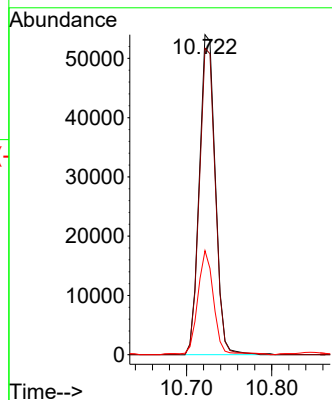
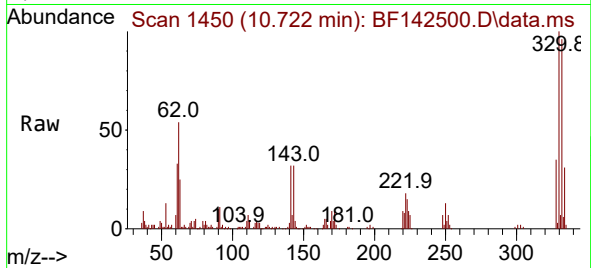




#42
 2,4,6-Tribromophenol
 Concen: 53.638 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.018 min
 Lab File: BF142500.D
 Acq: 21 May 2025 21:30

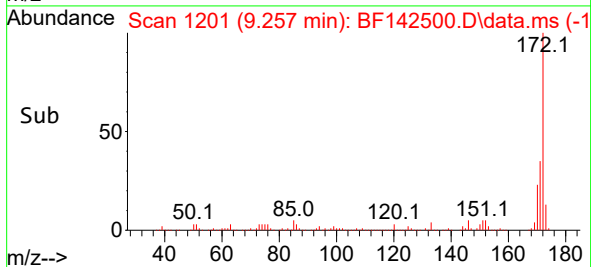
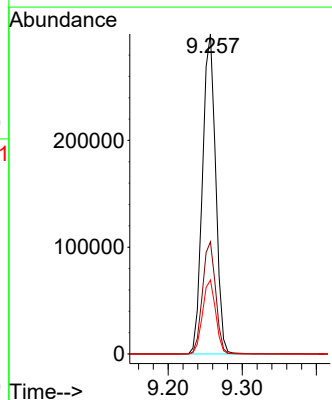
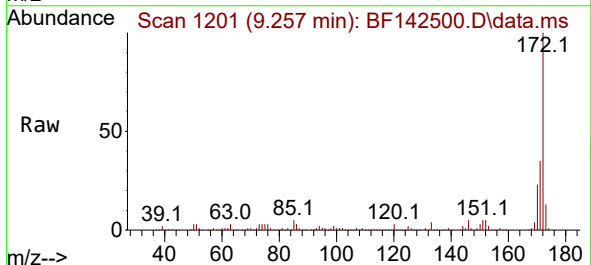
Instrument :
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 TP-B

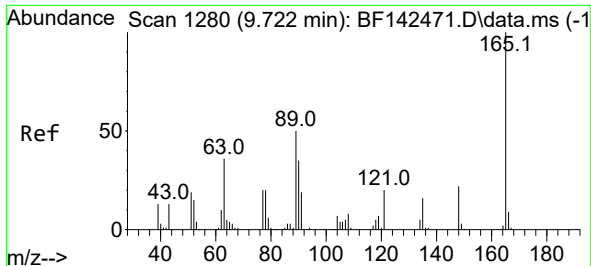
Tgt Ion:330 Resp: 70328
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.6 116.4
 141 32.6 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 42.086 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF142500.D
 Acq: 21 May 2025 21:30

Tgt Ion:172 Resp: 370522
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 42.8
 170 23.1 18.9 28.3

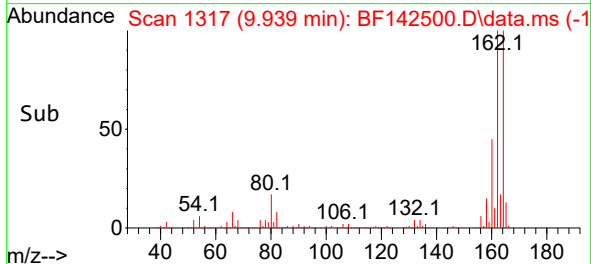
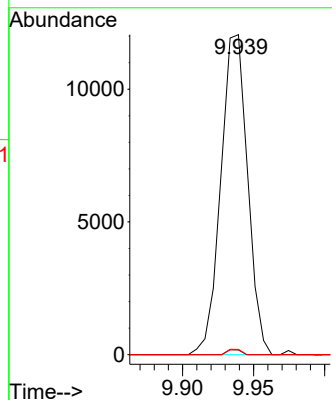
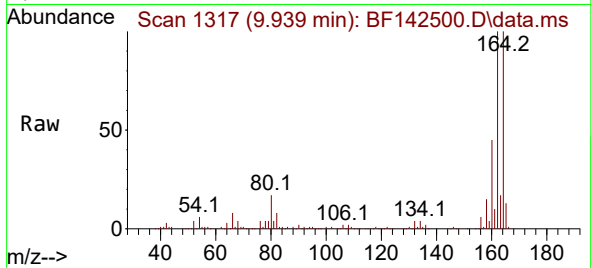




#51
2,6-Dinitrotoluene
Concen: 9.406 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.212 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

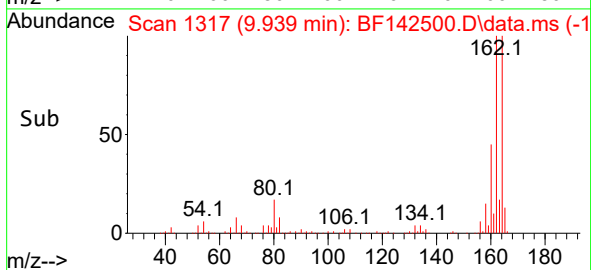
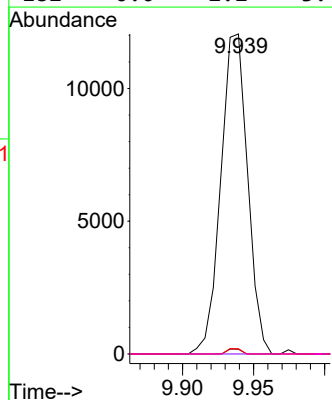
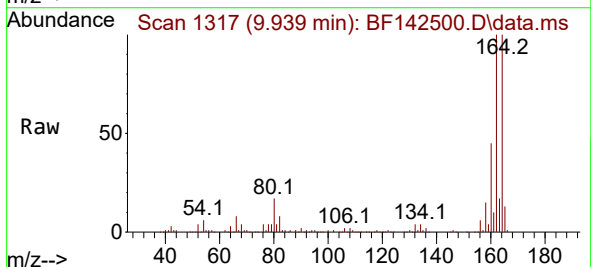
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BNA_F
ClientSampleId :
TP-B

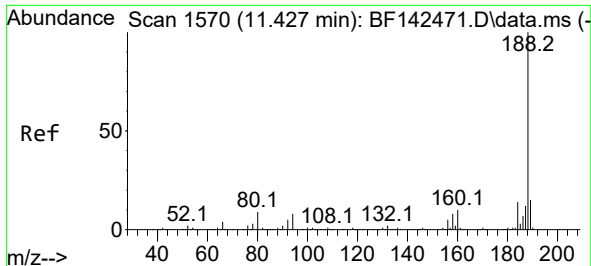
Tgt Ion:165 Resp: 15825
Ion Ratio Lower Upper
165 100
63 1.4 42.9 64.3#
89 1.6 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.202 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:165 Resp: 15825
Ion Ratio Lower Upper
165 100
63 1.4 33.6 50.4#
89 1.6 50.2 75.4#
182 0.0 2.2 3.4#

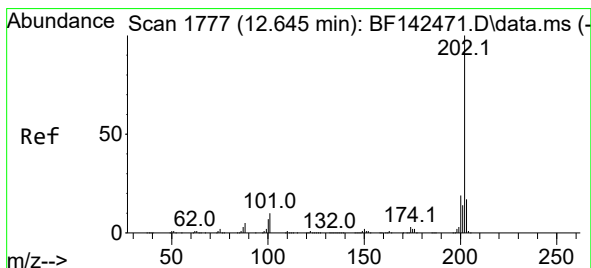
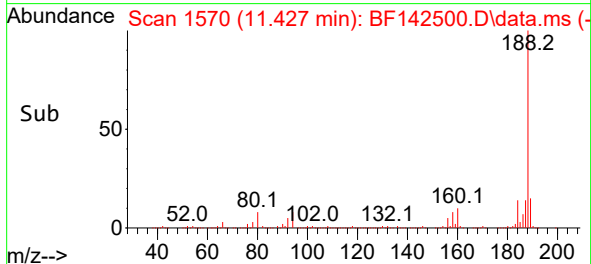
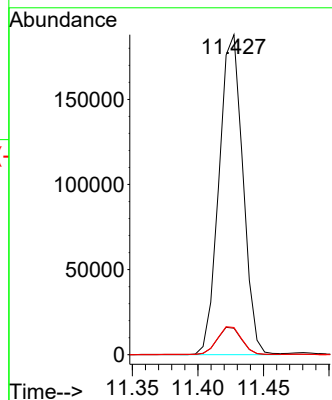
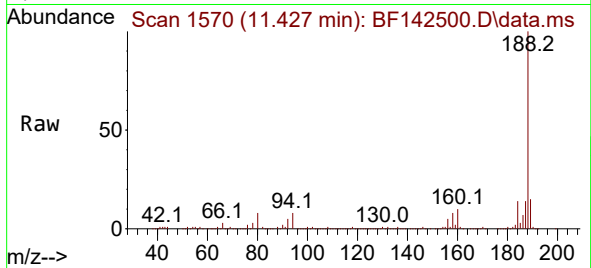




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

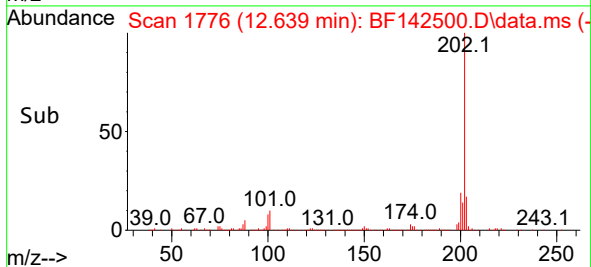
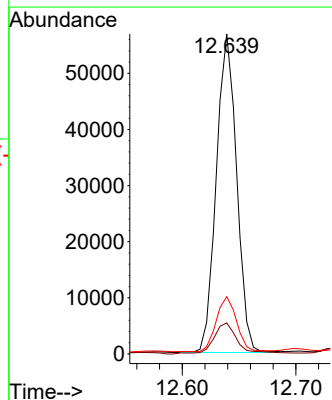
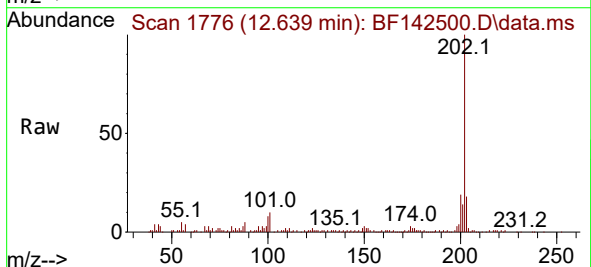
Instrument :
BNA_F
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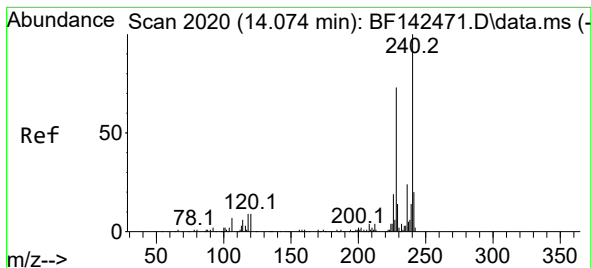
Tgt Ion:188 Resp: 237828
Ion Ratio Lower Upper
188 100
94 8.2 6.6 10.0
80 8.5 7.4 11.0



#75
Fluoranthene
Concen: 5.964 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:202 Resp: 70825
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.6
203 17.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

TP-B

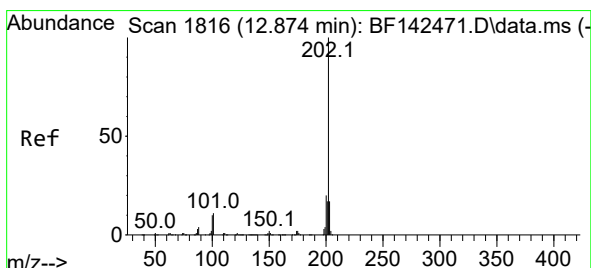
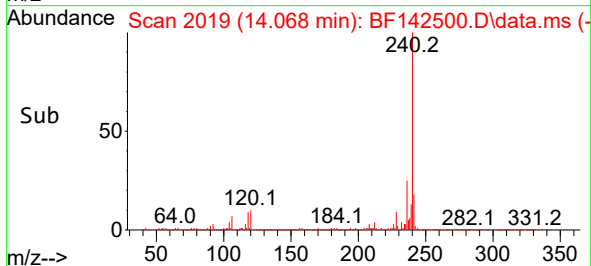
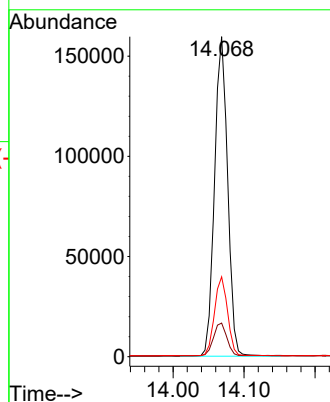
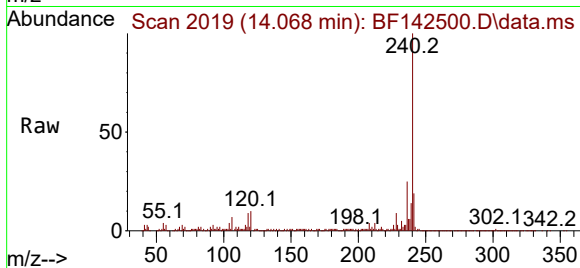
Tgt Ion:240 Resp: 203297

Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

236 25.0 19.6 29.4



#78

Pyrene

Concen: 3.608 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

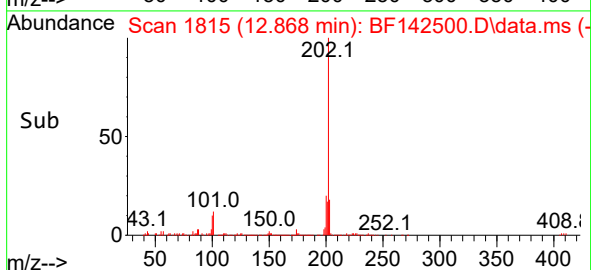
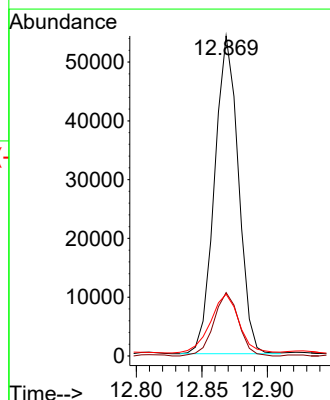
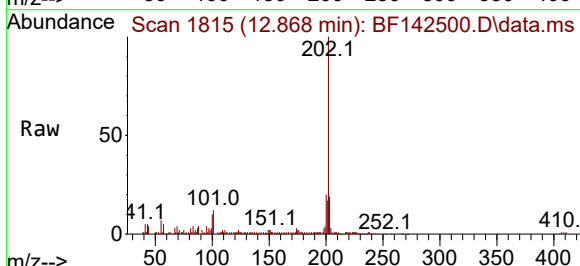
Tgt Ion:202 Resp: 68430

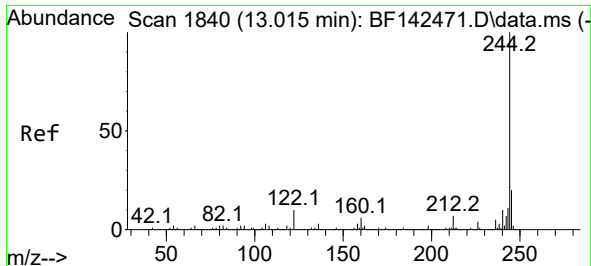
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 19.3 13.9 20.9

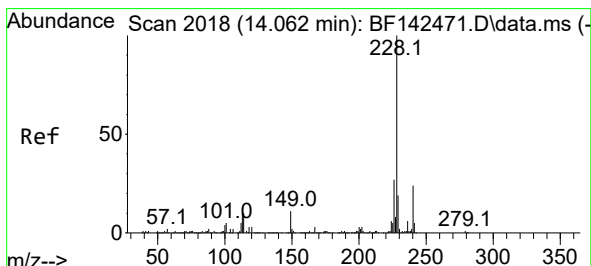
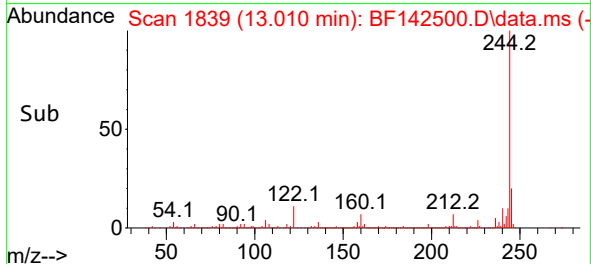
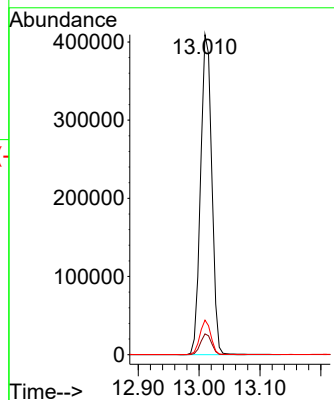
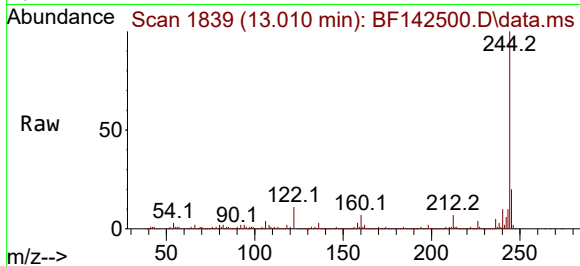




#79
 Terphenyl-d14
 Concen: 35.076 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142500.D
 Acq: 21 May 2025 21:30

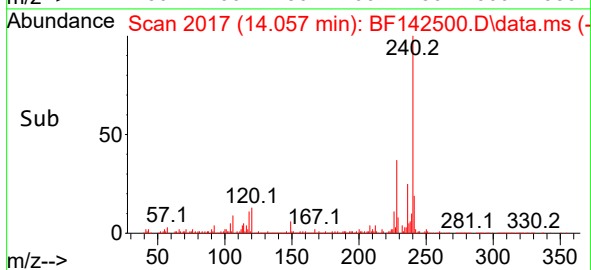
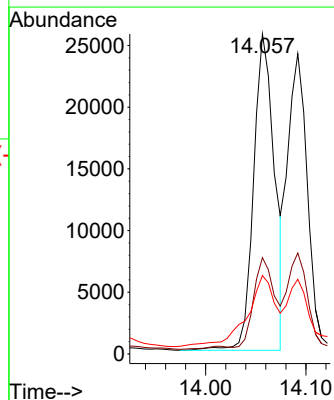
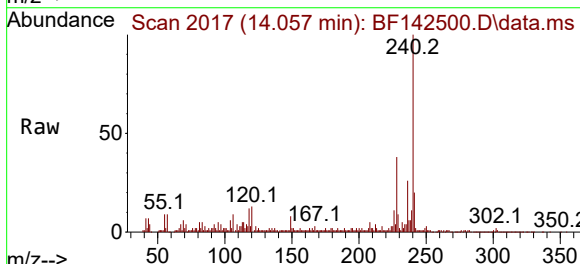
Instrument :
 BNA_F
 ClientSampleId :
 TP-B

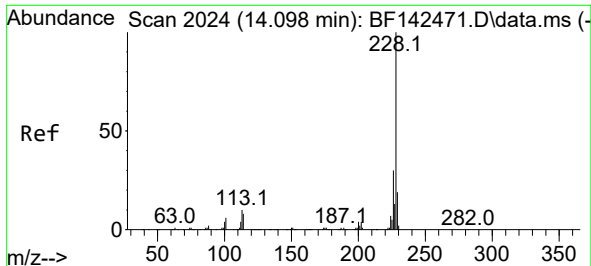
Tgt Ion:244 Resp: 521821
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.8 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.748 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142500.D
 Acq: 21 May 2025 21:30

Tgt Ion:228 Resp: 37305
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.2 31.8
 229 24.5 15.5 23.3#

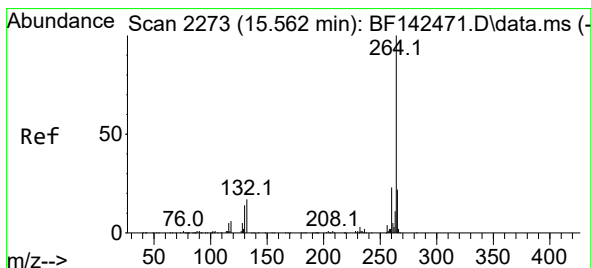
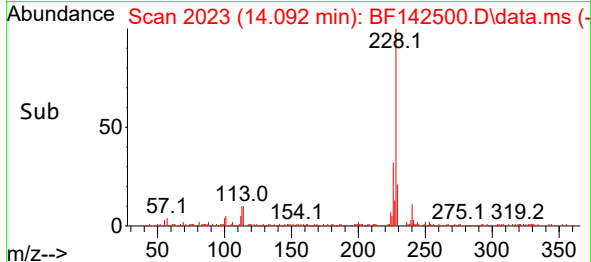
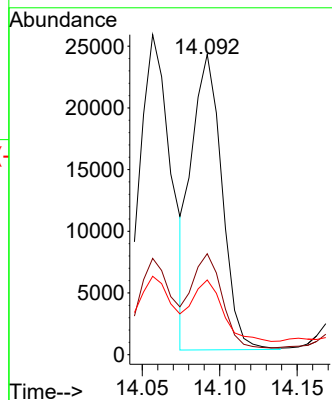
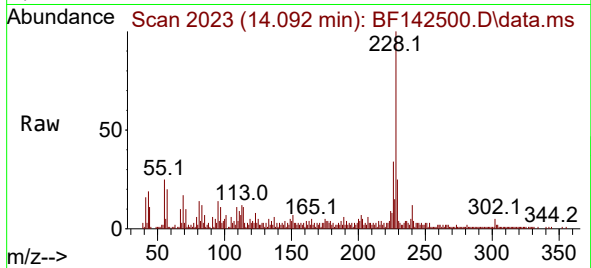




#83
Chrysene
Concen: 2.676 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

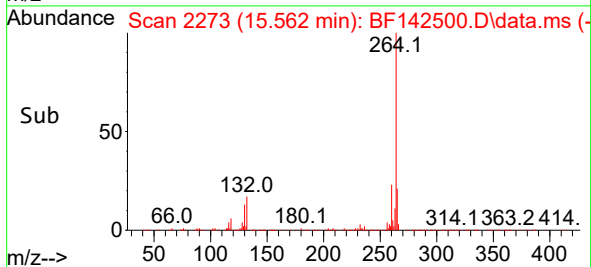
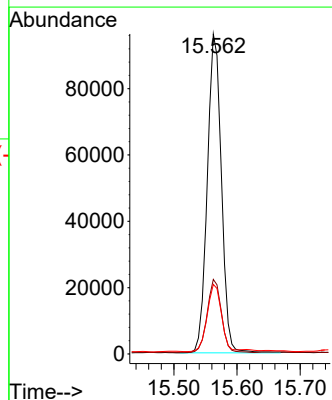
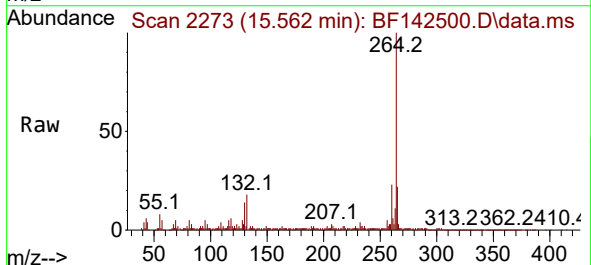
Instrument :
BNA_F
ClientSampleId :
TP-B

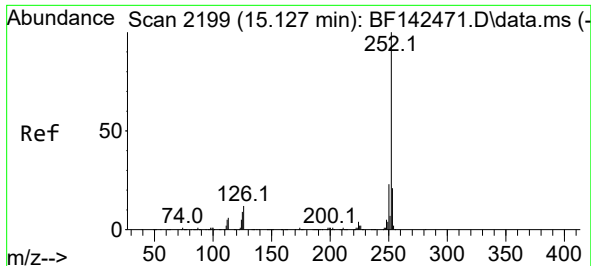
Tgt Ion:228 Resp: 32640
Ion Ratio Lower Upper
228 100
226 33.6 23.8 35.6
229 24.9 15.4 23.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:264 Resp: 149373
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.8 17.7 26.5

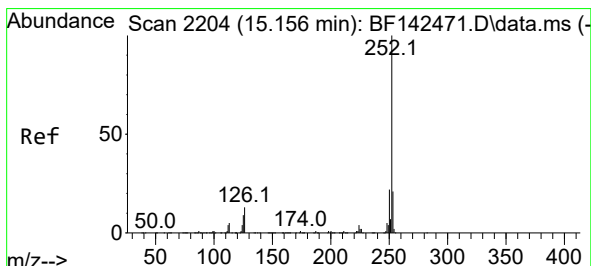
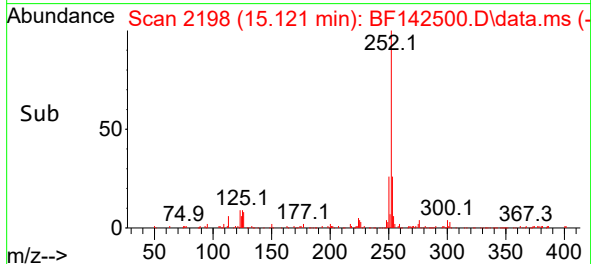
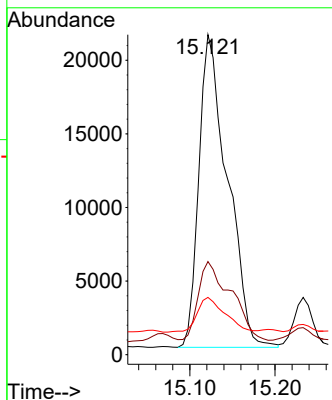
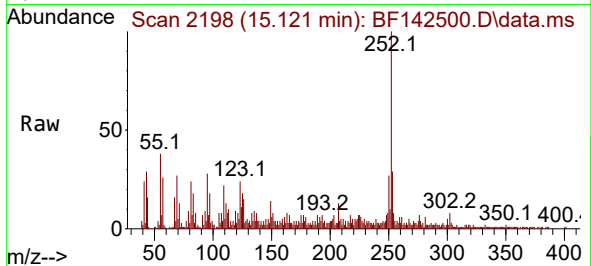




#88
Benzo(b)fluoranthene
Concen: 5.595 ng
RT: 15.121 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

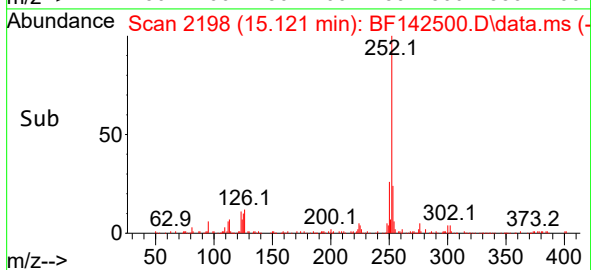
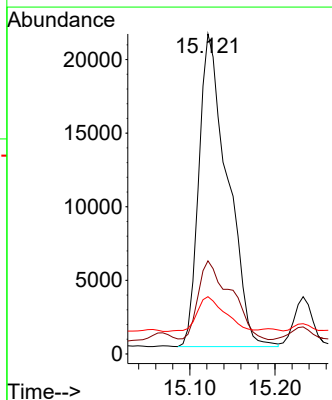
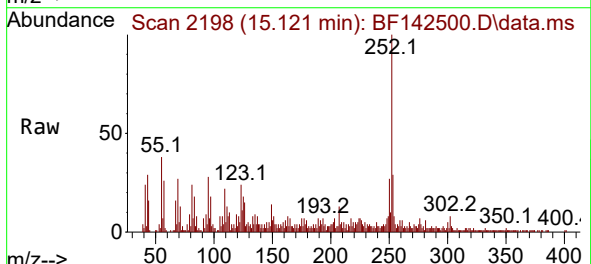
Instrument :
BNA_F
ClientSampleId :
TP-B

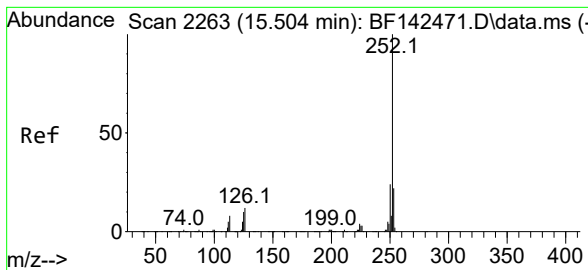
Tgt Ion:252 Resp: 49466
Ion Ratio Lower Upper
252 100
253 29.1 17.0 25.4#
125 17.9 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 5.974 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:252 Resp: 49466
Ion Ratio Lower Upper
252 100
253 29.1 17.0 25.4#
125 17.9 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 2.895 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142500.D

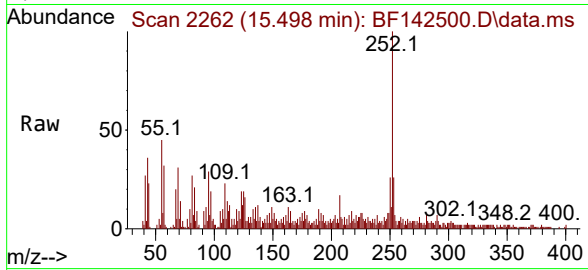
Acq: 21 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

TP-B



Tgt Ion:252 Resp: 24128

Ion Ratio Lower Upper

252 100

253 26.0 17.4 26.0

125 18.9 7.9 11.9#

