

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142547.D
 Acq On : 23 May 2025 20:53
 Operator : RC/JU
 Sample : Q2100-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21

Quant Time: May 23 22:55:32 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)

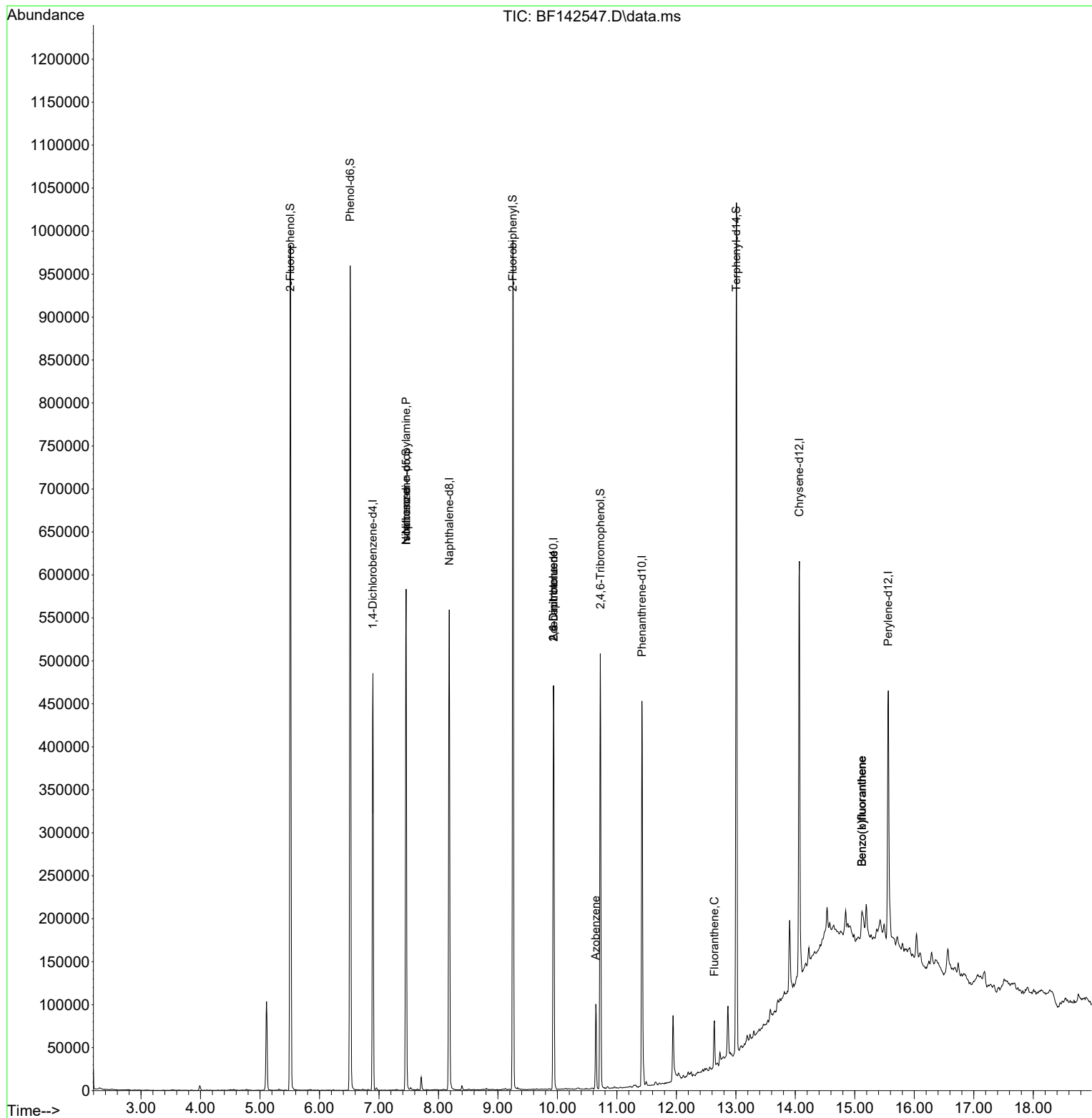
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	105842	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	353306	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	144326	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	233043	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	235632	20.000	ng	0.00
86) Perylene-d12	15.563	264	174227	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	369359	58.793	ng	0.00
7) Phenol-d6	6.516	99	435356	57.568	ng	-0.02
23) Nitrobenzene-d5	7.457	82	240303	37.088	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	86203	53.815	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	447830	41.637	ng	-0.02
79) Terphenyl-d14	13.010	244	468160	27.151	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	32438	6.921	ng	# 74
25) Isophorone	7.457	82	225532	20.819	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	18563	9.031	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	18563	6.915	ng	# 28
63) Azobenzene	10.645	77	24015	2.875	ng	# 1
75) Fluoranthene	12.639	202	32750	2.814	ng	# 99
88) Benzo(b)fluoranthene	15.121	252	21479	2.083	ng	# 82
89) Benzo(k)fluoranthene	15.121	252	21479	2.224	ng	# 82

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142547.D
Acq On : 23 May 2025 20:53
Operator : RC/JU
Sample : Q2100-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21

Quant Time: May 23 22:55:32 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

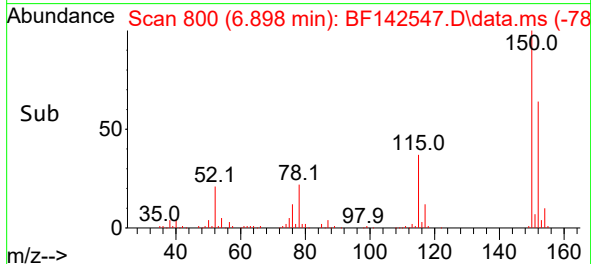
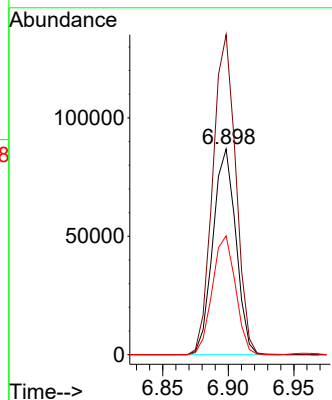
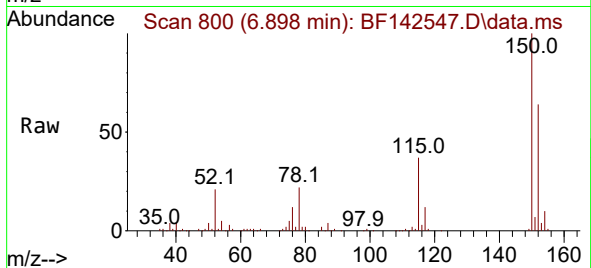




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142547.D
Acq: 23 May 2025 20:53

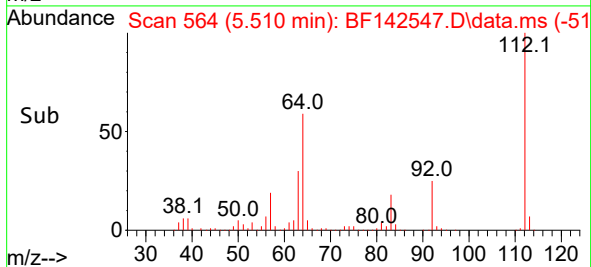
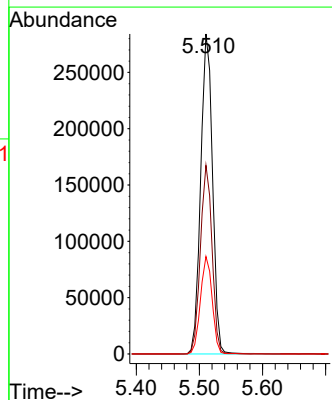
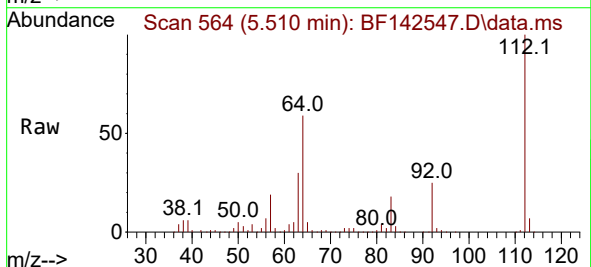
Instrument :
BNA_F
ClientSampleId :
TP-21

Tgt Ion:152 Resp: 105842
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.8 48.3 72.5



#5
2-Fluorophenol
Concen: 58.793 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142547.D
Acq: 23 May 2025 20:53

Tgt Ion:112 Resp: 369359
Ion Ratio Lower Upper
112 100
64 58.9 47.5 71.3
63 30.4 24.9 37.3





#7

Phenol-d6

Concen: 57.568 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

Instrument :

BNA_F

ClientSampleId :

TP-21

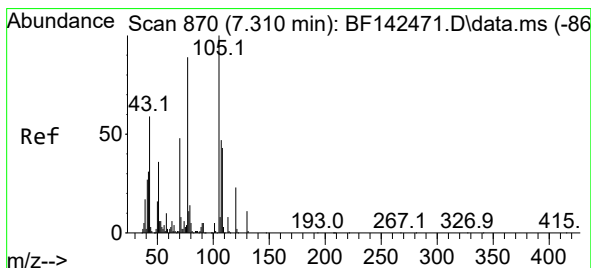
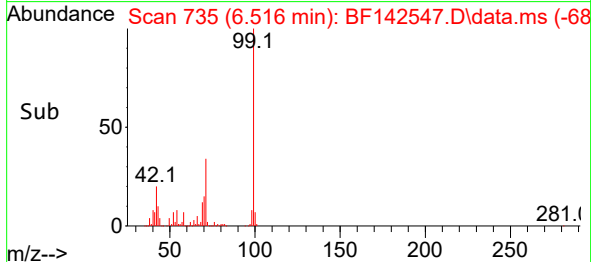
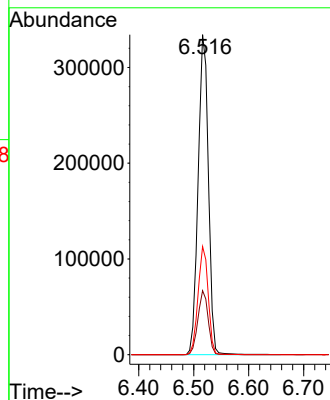
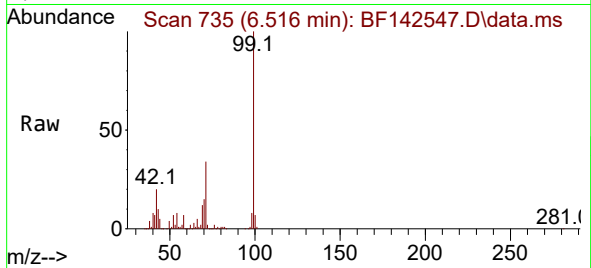
Tgt Ion: 99 Resp: 435356

Ion Ratio Lower Upper

99 100

42 20.0 16.2 24.2

71 33.8 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 6.921 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.130 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

Tgt Ion: 70 Resp: 32438

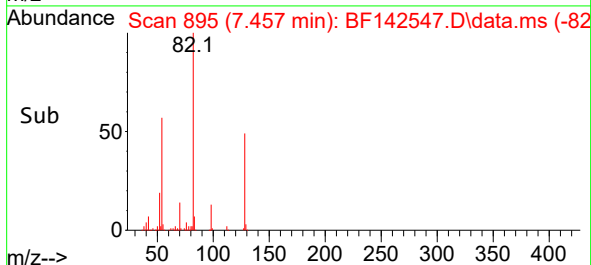
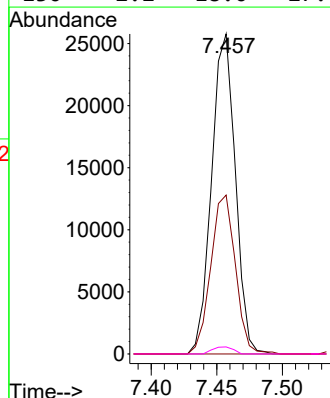
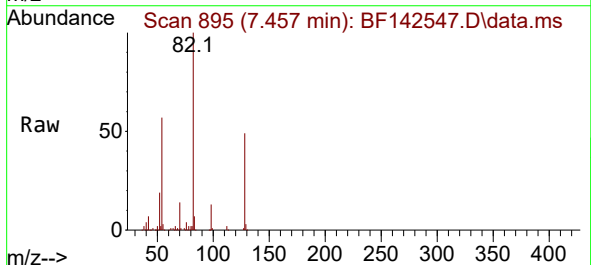
Ion Ratio Lower Upper

70 100

42 49.7 52.4 78.6#

101 0.0 7.8 11.8#

130 2.2 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: BF142547.D

Acq: 23 May 2025 20:53

Instrument :

BNA_F

ClientSampleId :

TP-21

Tgt Ion:136 Resp: 353306

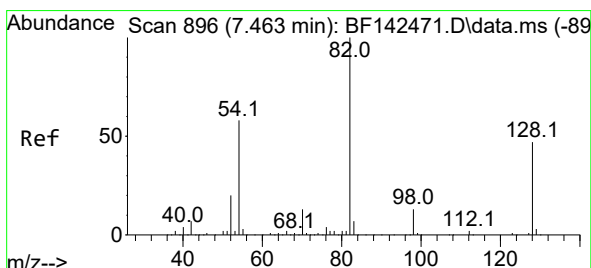
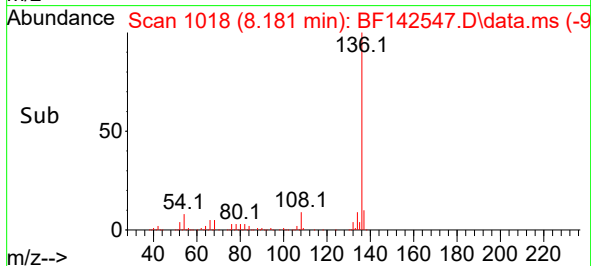
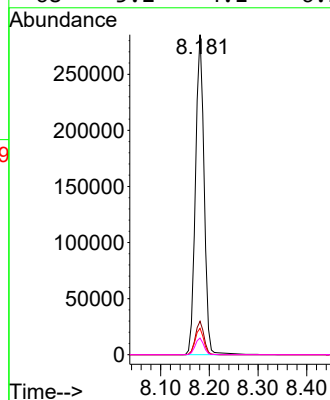
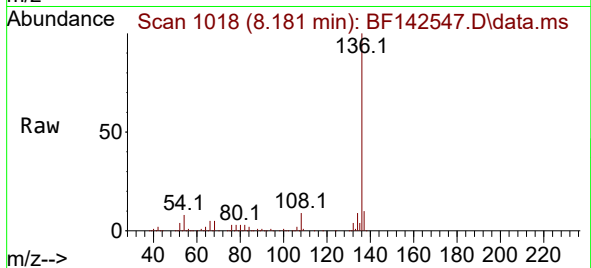
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 8.3 6.6 10.0

68 5.2 4.1 6.1



#23

Nitrobenzene-d5

Concen: 37.088 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

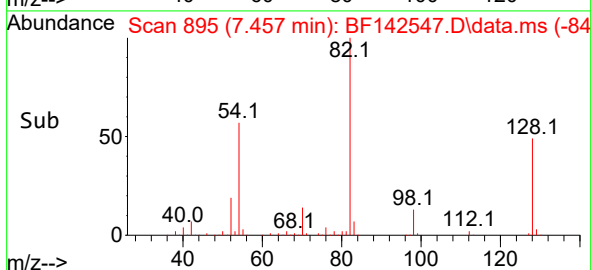
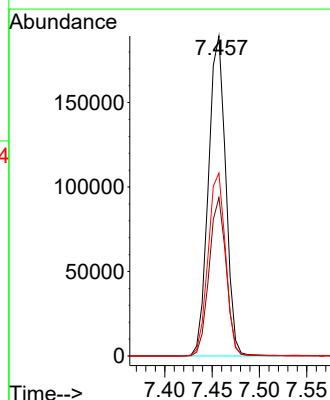
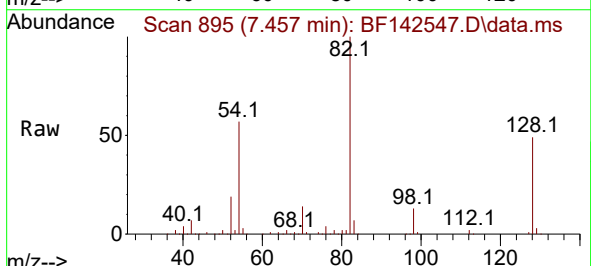
Tgt Ion: 82 Resp: 240303

Ion Ratio Lower Upper

82 100

128 49.5 37.4 56.2

54 57.2 46.6 70.0

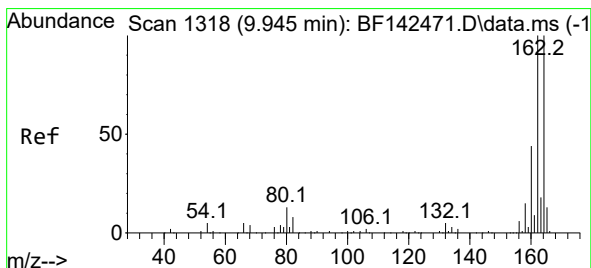
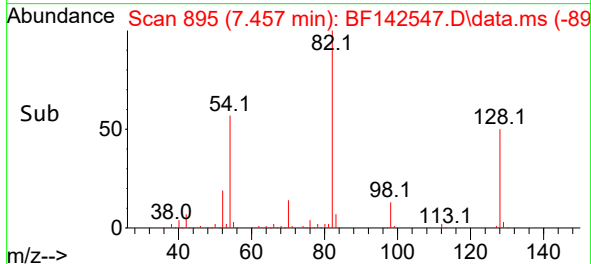
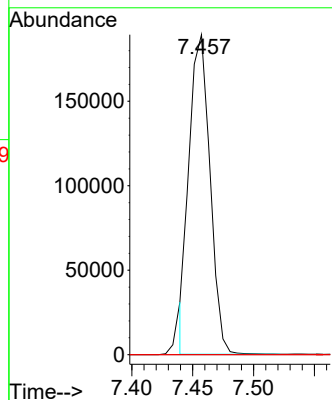
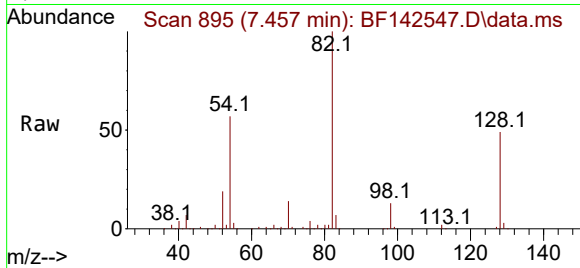




#25
Isophorone
Concen: 20.819 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142547.D
Acq: 23 May 2025 20:53

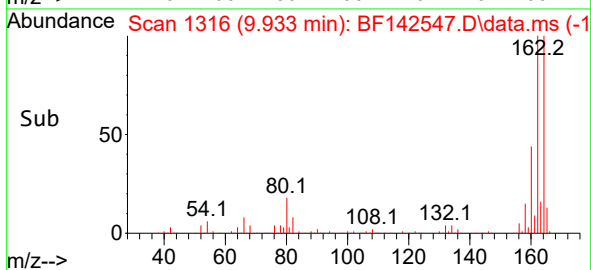
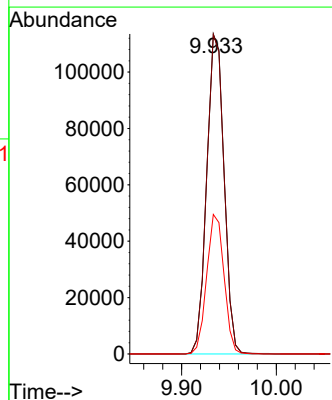
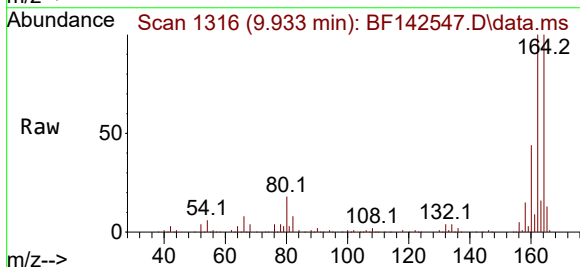
Instrument :
BNA_F
ClientSampleId :
TP-21

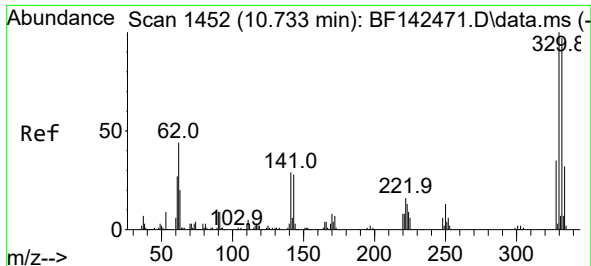
Tgt Ion: 82 Resp: 225532
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142547.D
Acq: 23 May 2025 20:53

Tgt Ion: 164 Resp: 144326
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.4
160 43.6 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 53.815 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

Instrument :

BNA_F

ClientSampleId :

TP-21

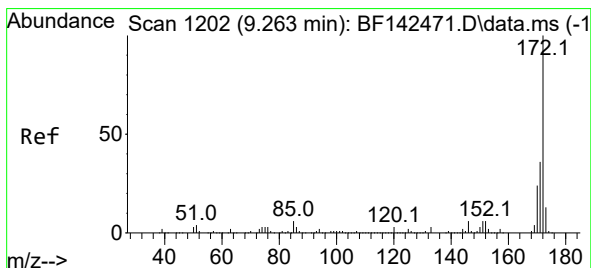
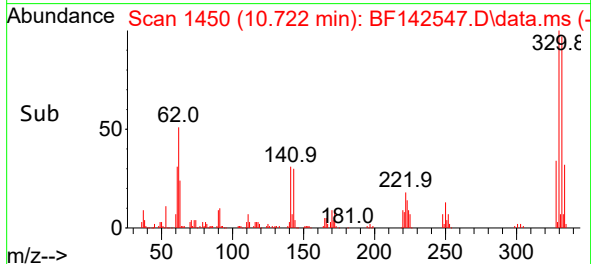
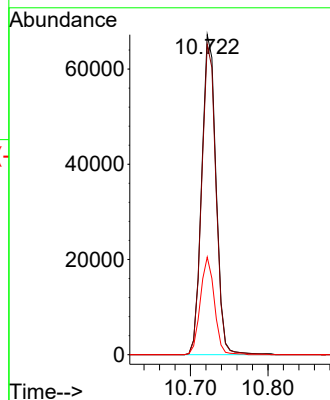
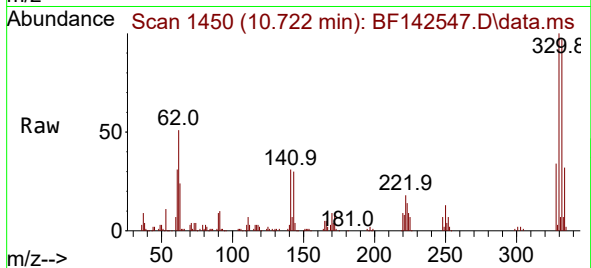
Tgt Ion:330 Resp: 86203

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 29.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 41.637 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

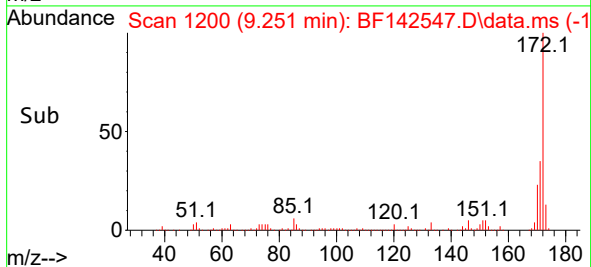
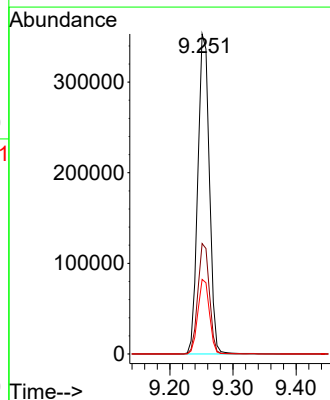
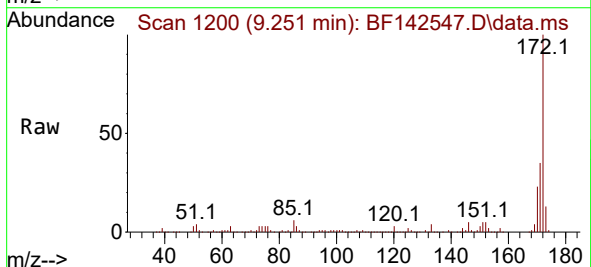
Tgt Ion:172 Resp: 447830

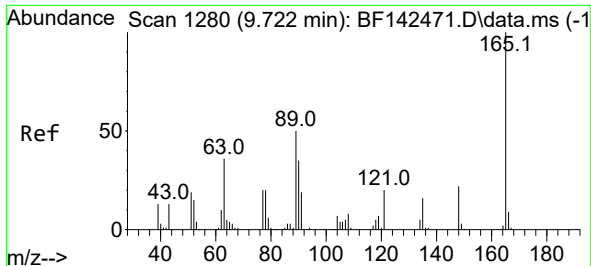
Ion Ratio Lower Upper

172 100

171 34.5 28.6 42.8

170 23.3 18.9 28.3

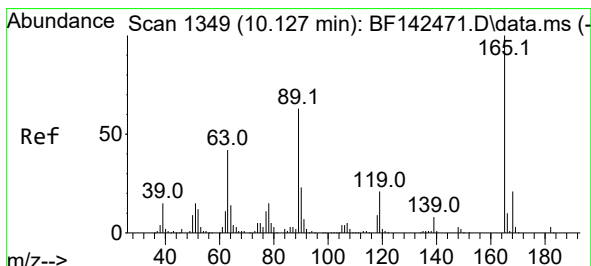
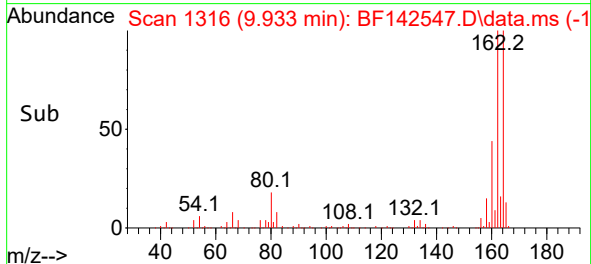
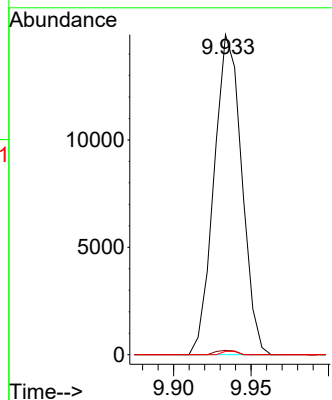
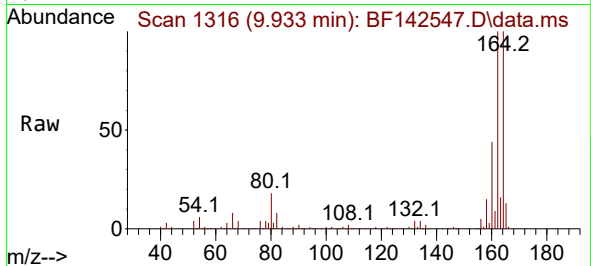




#51
2,6-Dinitrotoluene
Concen: 9.031 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142547.D
Acq: 23 May 2025 20:53

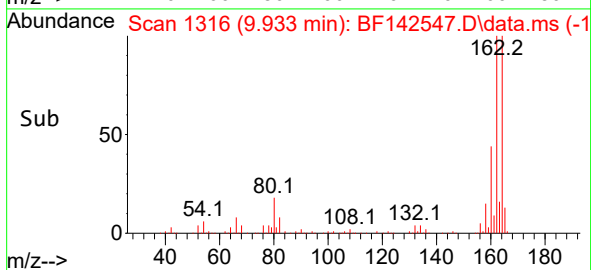
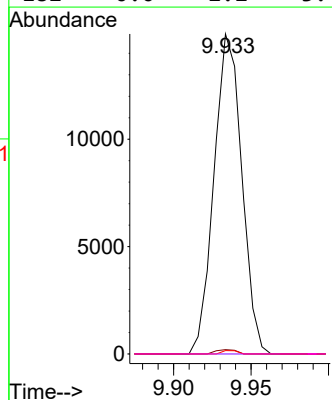
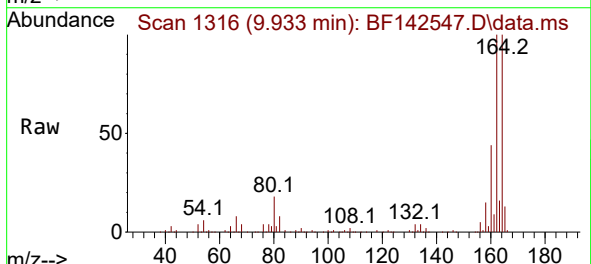
Instrument :
BNA_F
ClientSampleId :
TP-21

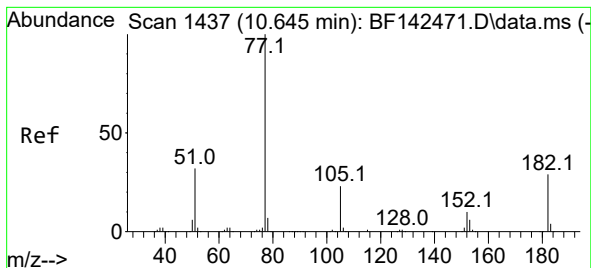
Tgt Ion:165 Resp: 18563
Ion Ratio Lower Upper
165 100
63 1.4 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.915 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142547.D
Acq: 23 May 2025 20:53

Tgt Ion:165 Resp: 18563
Ion Ratio Lower Upper
165 100
63 1.4 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.875 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

Instrument :

BNA_F

ClientSampleId :

TP-21

Tgt Ion: 77 Resp: 24015

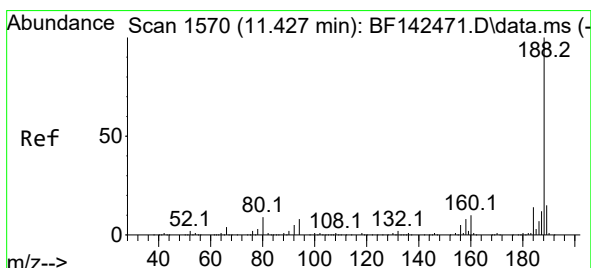
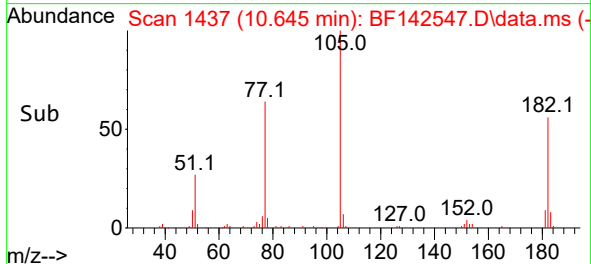
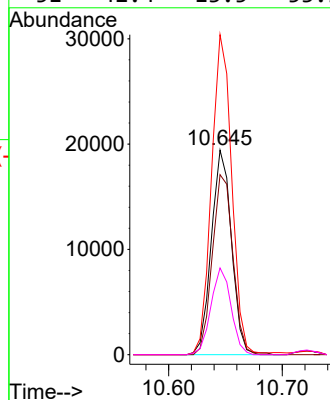
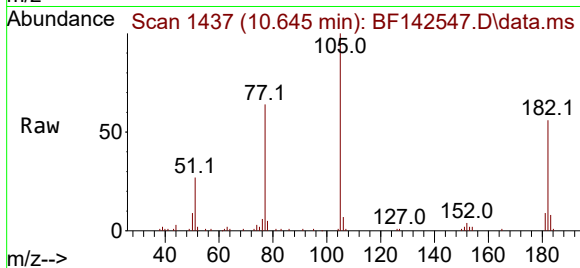
Ion Ratio Lower Upper

77 100

182 88.1 9.0 49.0#

105 156.5 2.4 42.4#

51 42.4 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

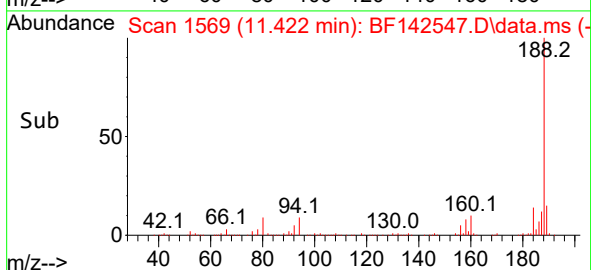
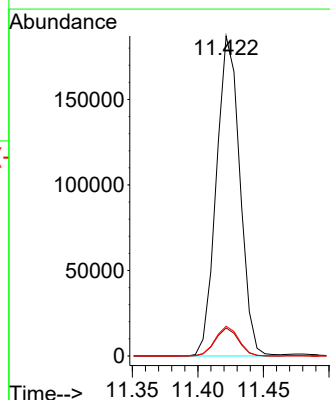
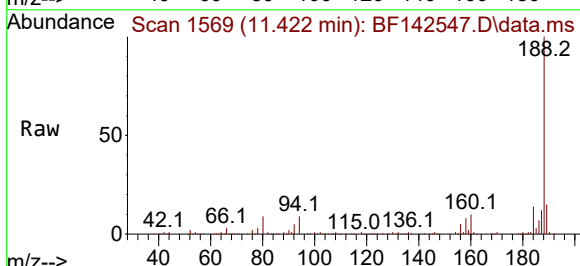
Tgt Ion:188 Resp: 233043

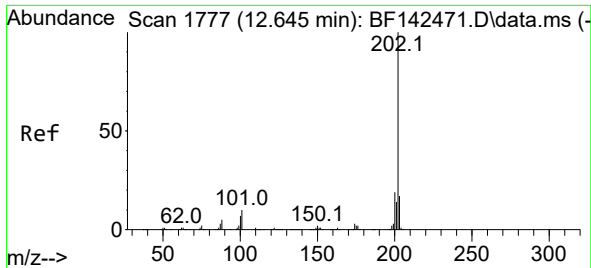
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.3 7.4 11.0

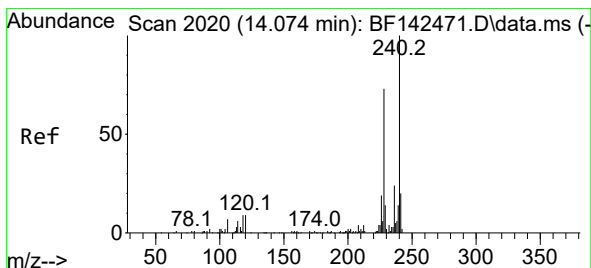
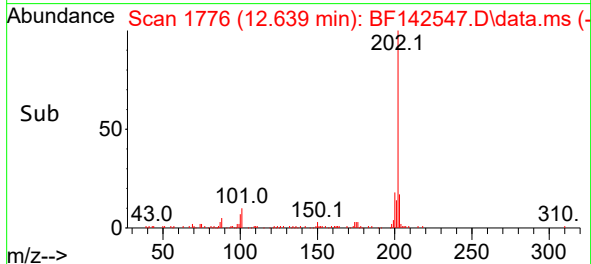
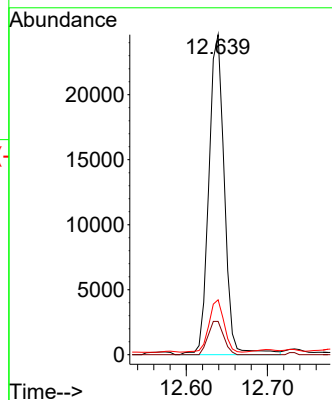
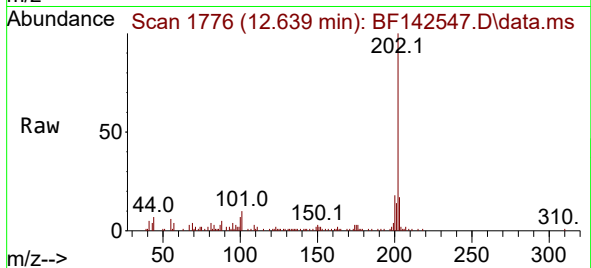




#75
Fluoranthene
Concen: 2.814 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142547.D
Acq: 23 May 2025 20:53

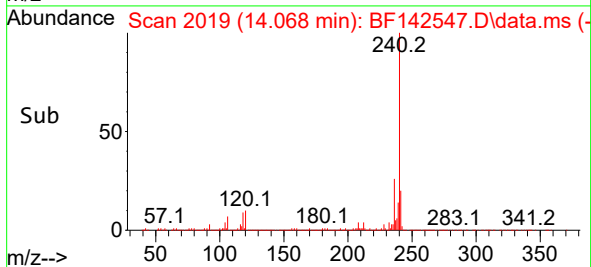
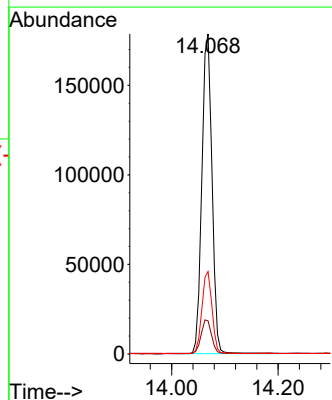
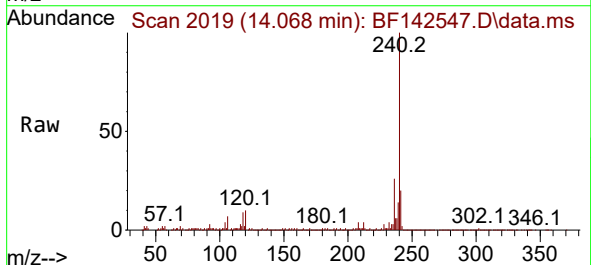
Instrument :
BNA_F
ClientSampleId :
TP-21

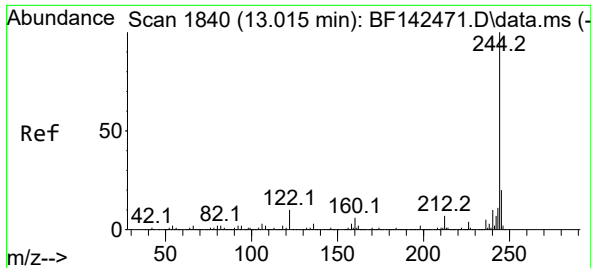
Tgt Ion:202 Resp: 32750
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.6
203 17.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142547.D
Acq: 23 May 2025 20:53

Tgt Ion:240 Resp: 235632
Ion Ratio Lower Upper
240 100
120 10.4 7.5 11.3
236 25.7 19.6 29.4

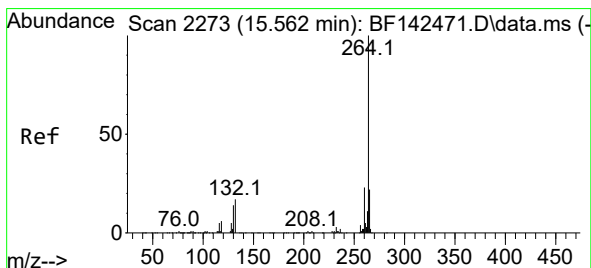
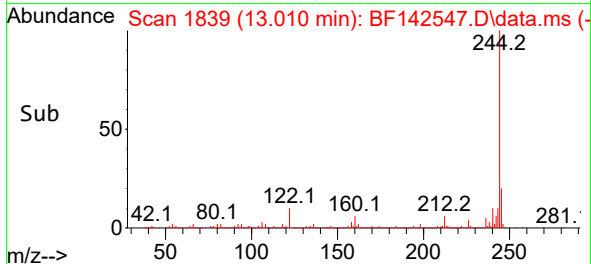
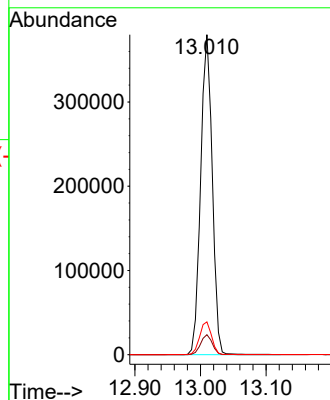
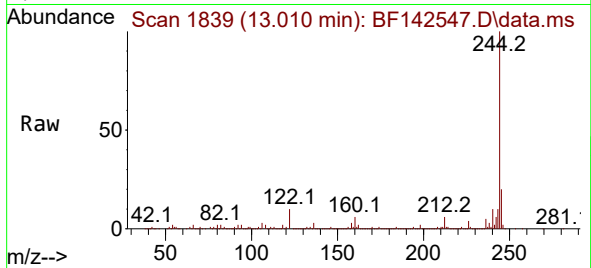




#79
 Terphenyl-d14
 Concen: 27.151 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142547.D
 Acq: 23 May 2025 20:53

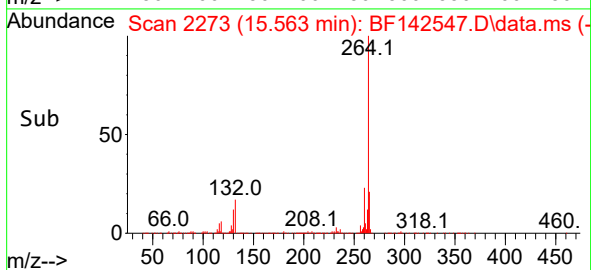
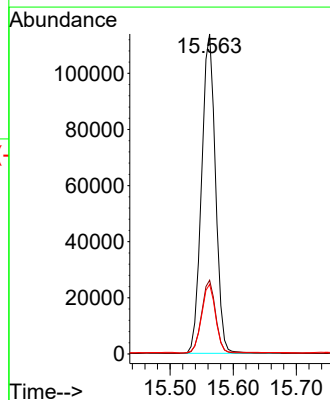
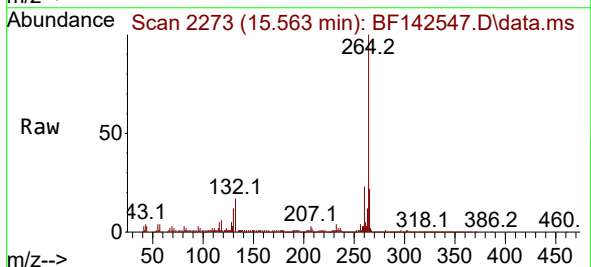
Instrument :
 BNA_F
 ClientSampleId :
 TP-21

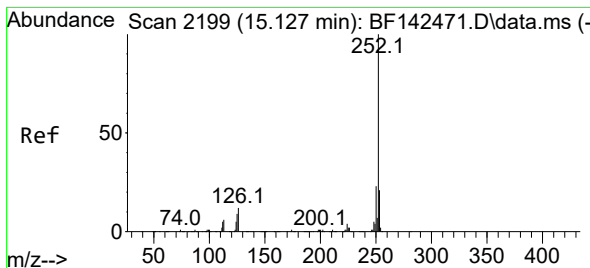
Tgt Ion:244 Resp: 468160
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142547.D
 Acq: 23 May 2025 20:53

Tgt Ion:264 Resp: 174227
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 21.8 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 2.083 ng

RT: 15.121 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

Instrument :

BNA_F

ClientSampleId :

TP-21

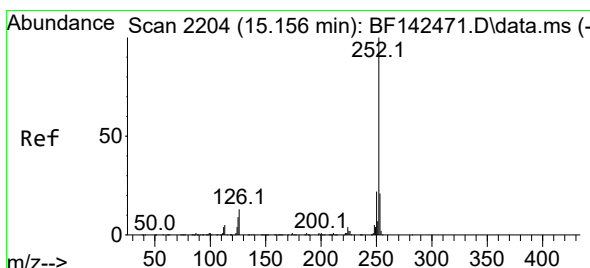
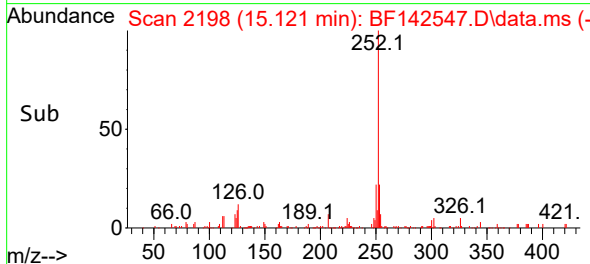
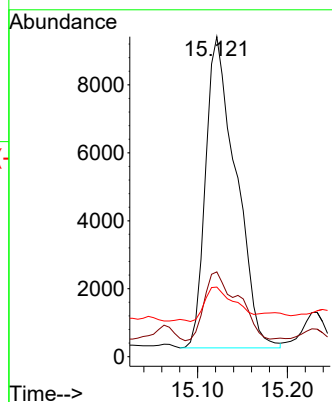
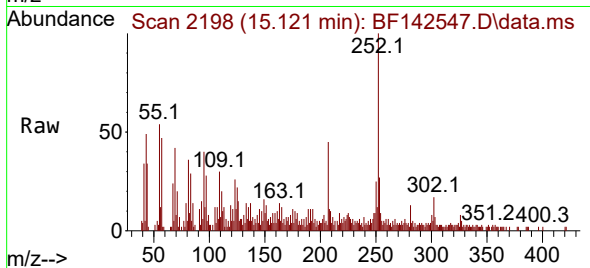
Tgt Ion:252 Resp: 21479

Ion Ratio Lower Upper

252 100

253 26.5 17.0 25.4#

125 21.8 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 2.224 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.041 min

Lab File: BF142547.D

Acq: 23 May 2025 20:53

Tgt Ion:252 Resp: 21479

Ion Ratio Lower Upper

252 100

253 26.5 17.0 25.4#

125 21.8 7.3 10.9#

