

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143531.D
 Acq On : 21 Aug 2025 15:40
 Operator : RC/JU
 Sample : Q2819-11RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 84SB-W

Quant Time: Aug 21 16:21:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

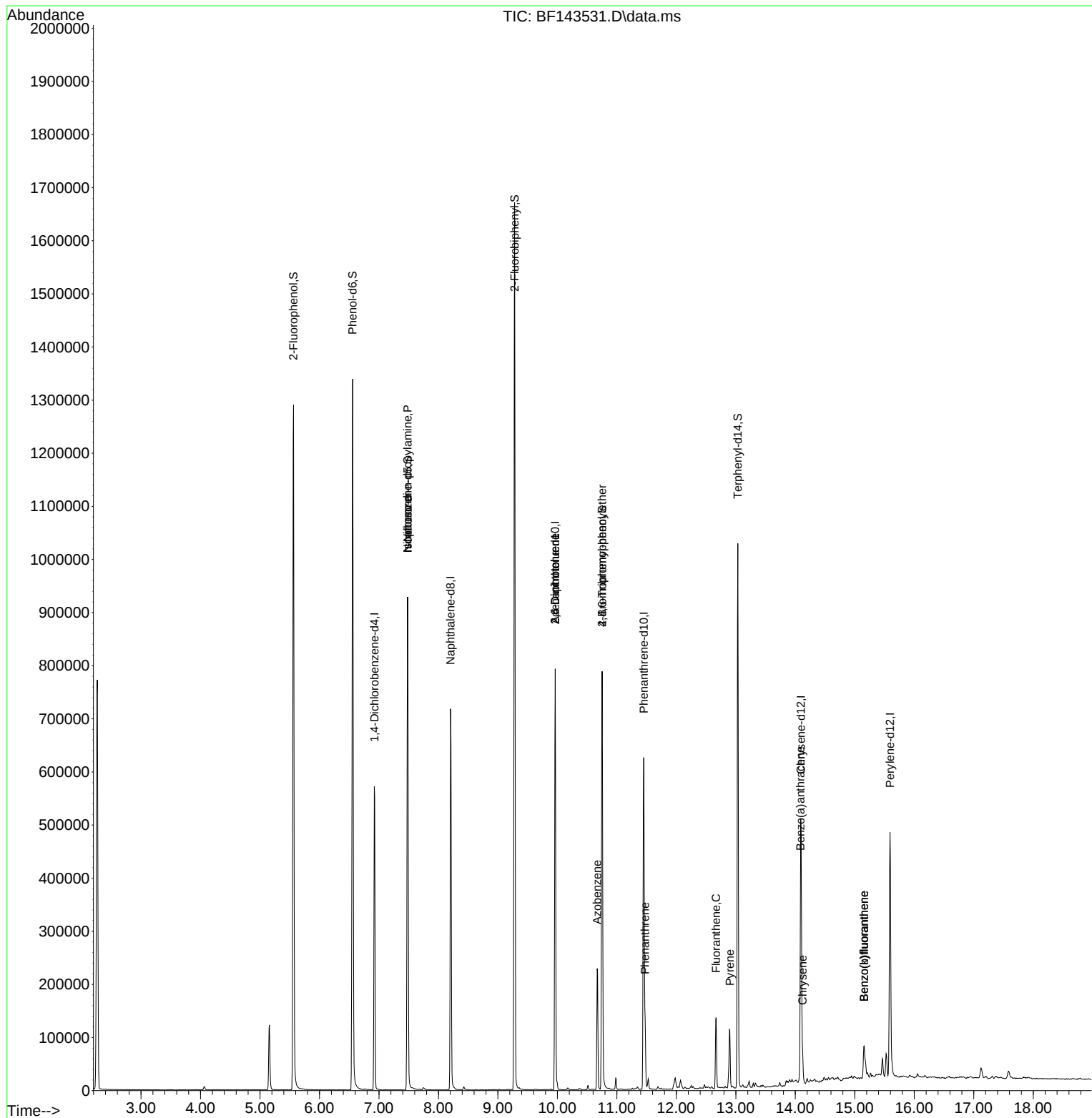
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	122249	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	463361	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	234484	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	317712	20.000	ng	0.00
76) Chrysene-d12	14.092	240	229692	20.000	ng	-0.01
86) Perylene-d12	15.592	264	283075	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	483086	69.002	ng	0.00
7) Phenol-d6	6.557	99	604566	69.954	ng	-0.02
23) Nitrobenzene-d5	7.481	82	403850	50.860	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	136637	62.600	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	726749	51.222	ng	0.00
79) Terphenyl-d14	13.033	244	491548	37.344	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	54521	10.321	ng	# 80
25) Isophorone	7.481	82	387041	26.591	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	30598	10.454	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	30598	7.829	ng	# 26
63) Azobenzene	10.669	77	58631	4.466	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	8704	2.296	ng	# 1
71) Phenanthrene	11.475	178	65872	3.872	ng	99
75) Fluoranthene	12.669	202	79522	5.209	ng	99
78) Pyrene	12.898	202	65892	3.487	ng	98
81) Benzo(a)anthracene	14.086	228	35019	2.368	ng	99
83) Chrysene	14.121	228	29650	2.231	ng	98
88) Benzo(b)fluoranthene	15.157	252	54047	3.435	ng	96
89) Benzo(k)fluoranthene	15.157	252	54047	3.587	ng	96

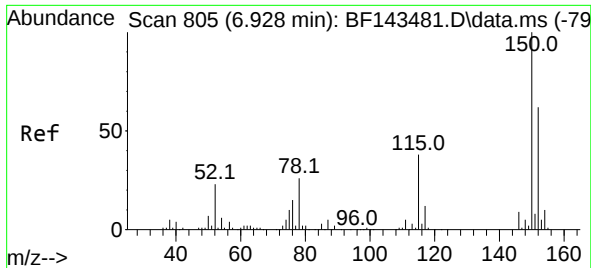
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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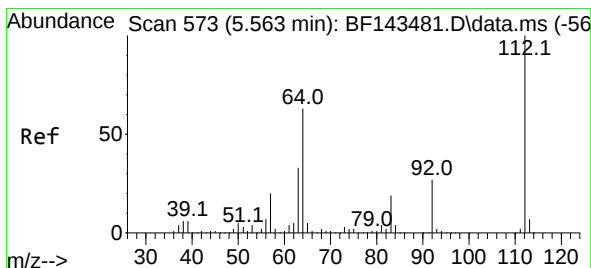
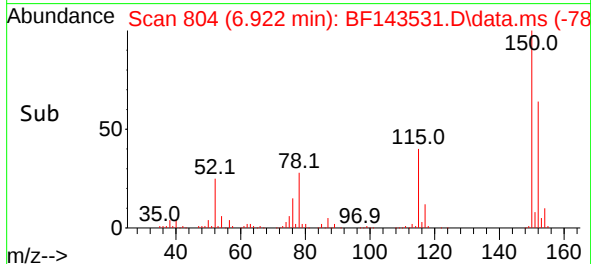
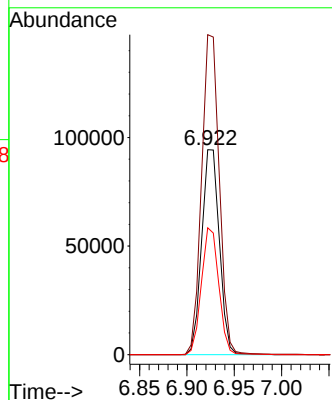
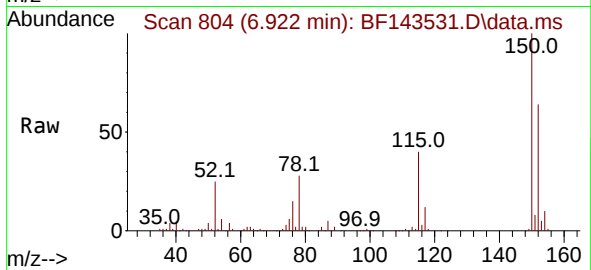




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

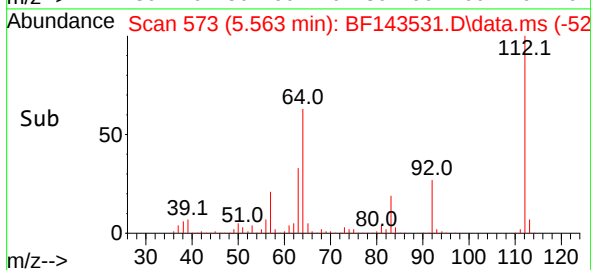
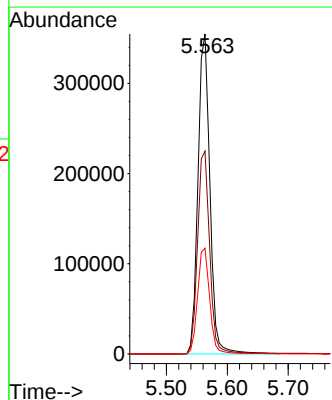
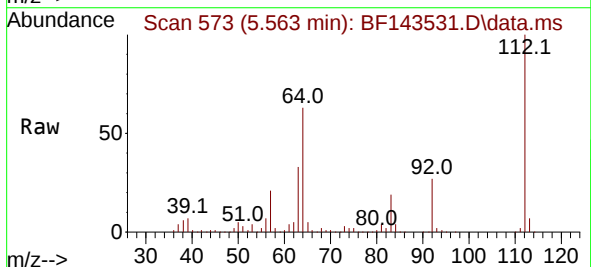
Instrument :
BNA_F
ClientSampleId :
84SB-W

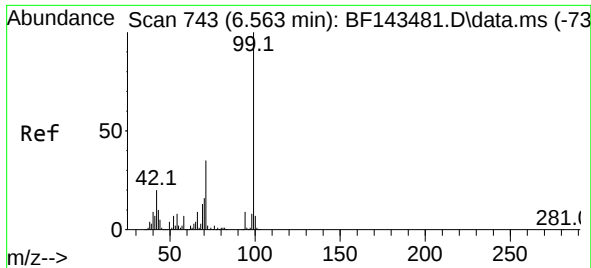
Tgt Ion:152 Resp: 122249
Ion Ratio Lower Upper
152 100
150 156.1 128.9 193.3
115 61.9 49.2 73.8



#5
2-Fluorophenol
Concen: 69.002 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Tgt Ion:112 Resp: 483086
Ion Ratio Lower Upper
112 100
64 63.3 50.4 75.6
63 33.1 26.4 39.6

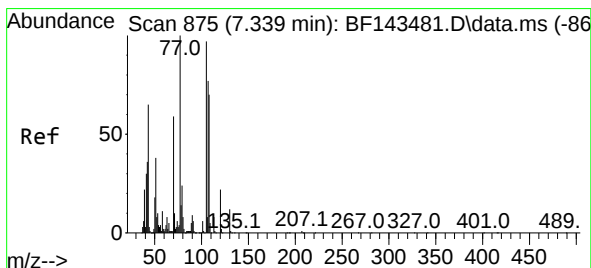
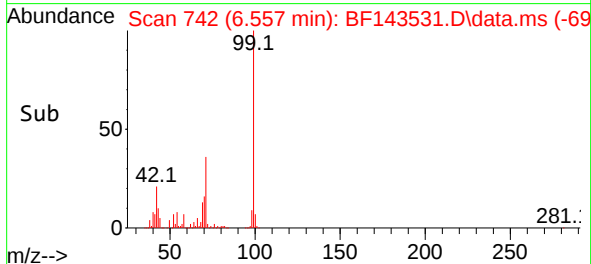
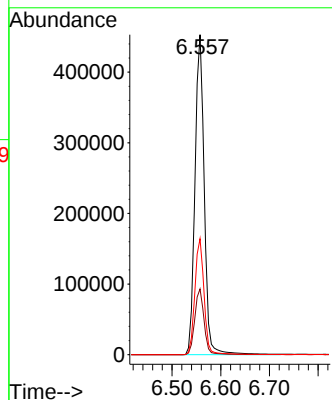
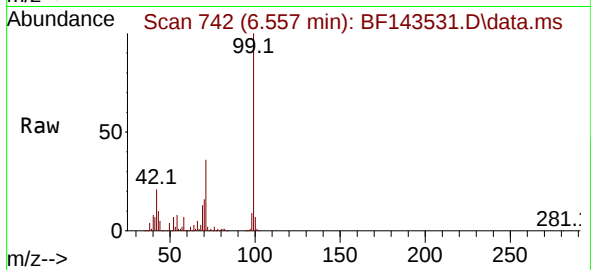




#7
Phenol-d6
Concen: 69.954 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

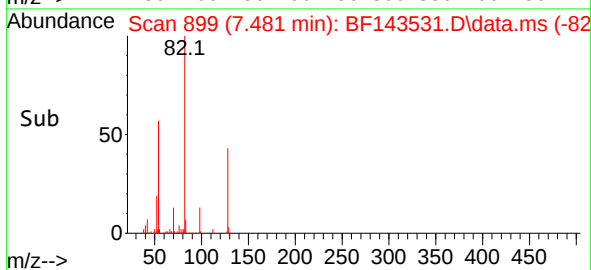
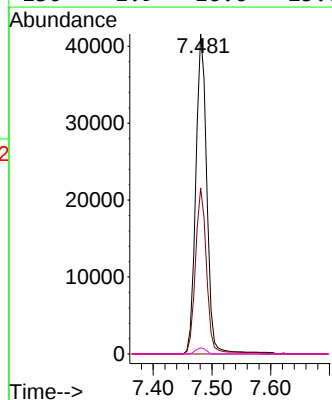
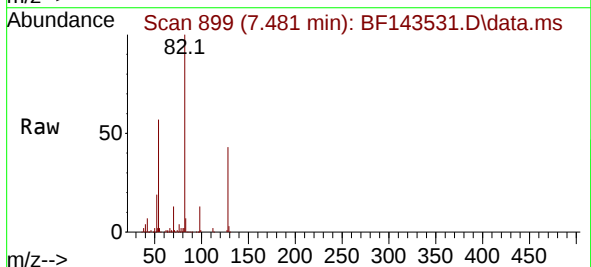
Instrument :
BNA_F
ClientSampleId :
84SB-W

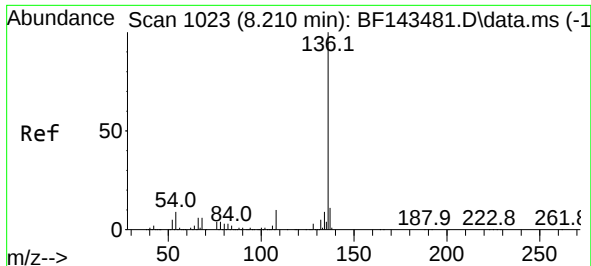
Tgt Ion: 99 Resp: 604566
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 36.3 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.321 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Tgt Ion: 70 Resp: 54521
Ion Ratio Lower Upper
70 100
42 51.9 49.3 73.9
101 0.0 7.8 11.8#
130 1.9 16.6 25.0#



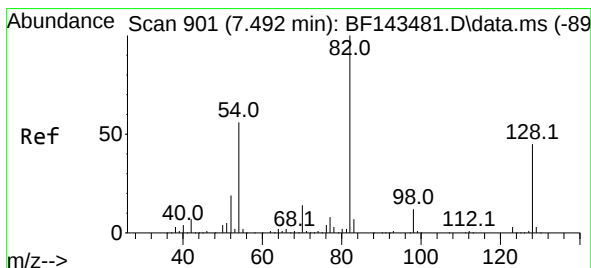
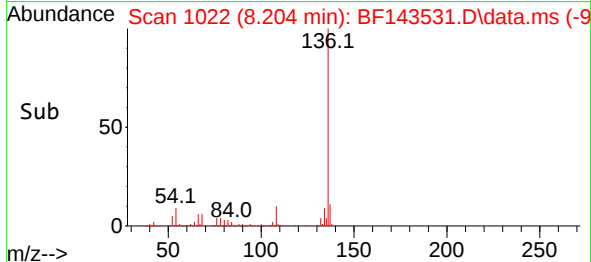
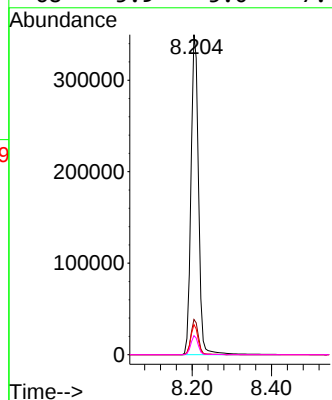
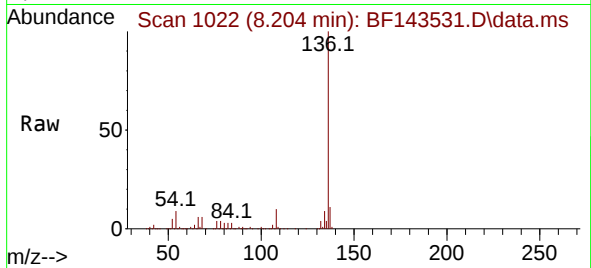


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Instrument :
BNA_F
ClientSampleId :
84SB-W

Tgt Ion:136 Resp: 463361

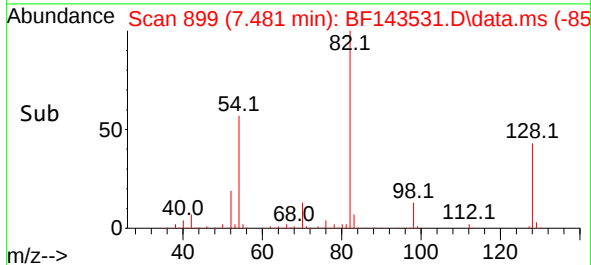
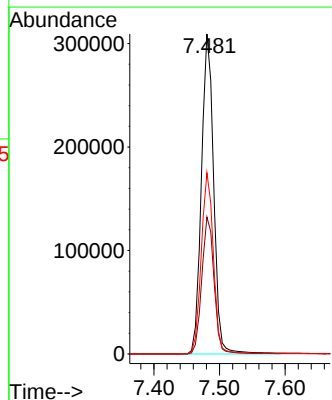
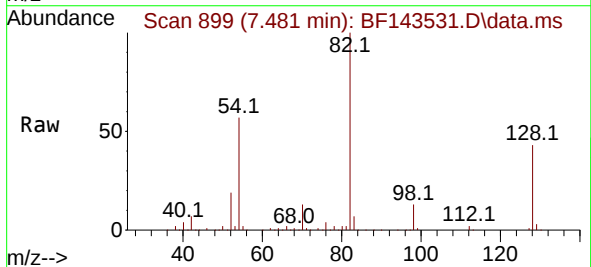
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.4	7.4	11.2
68	5.9	5.0	7.4

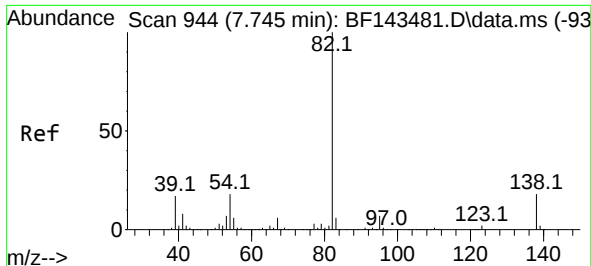


#23
Nitrobenzene-d5
Concen: 50.860 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Tgt Ion: 82 Resp: 403850

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.5	53.3
54	56.7	44.3	66.5

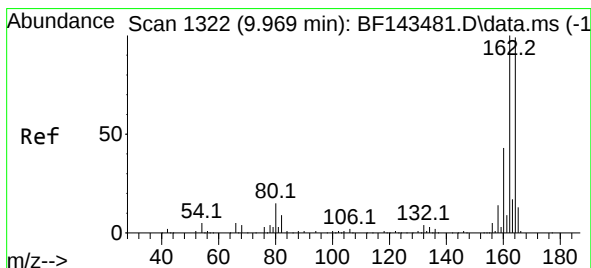
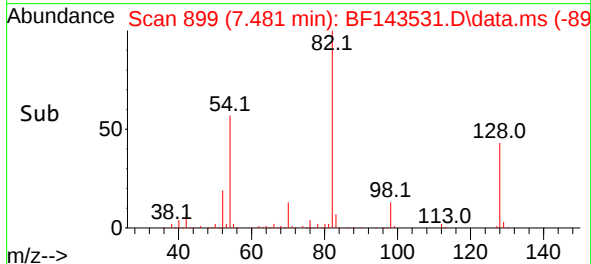
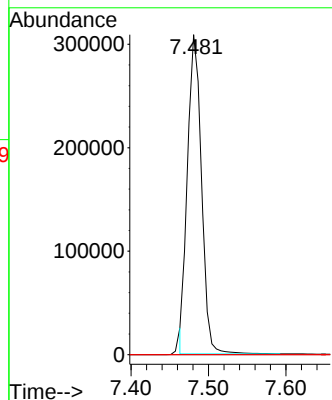
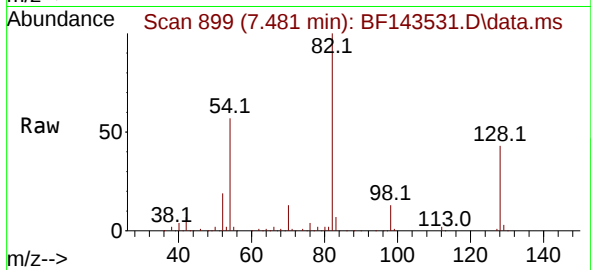




#25
Isophorone
Concen: 26.591 ng
RT: 7.481 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

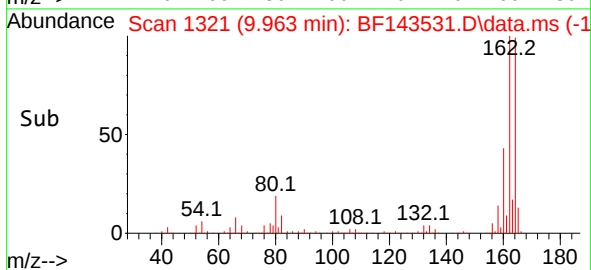
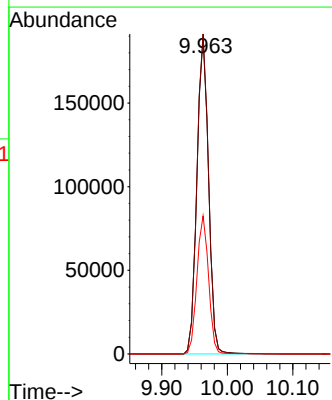
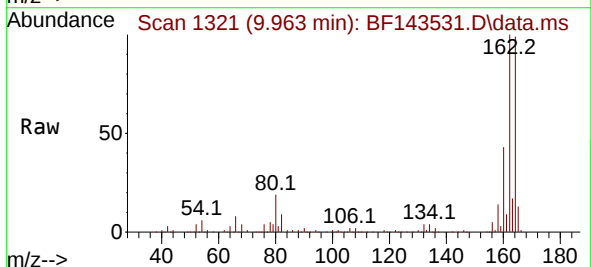
Instrument :
BNA_F
ClientSampleId :
84SB-W

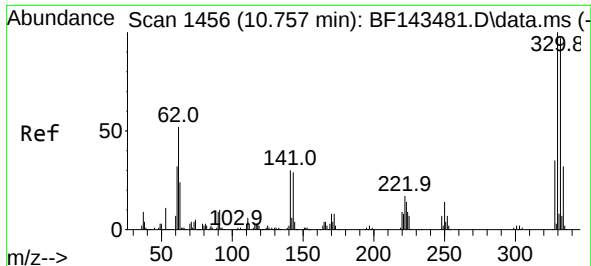
Tgt Ion: 82 Resp: 387041
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Tgt Ion:164 Resp: 234484
Ion Ratio Lower Upper
164 100
162 101.1 80.5 120.7
160 43.6 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 62.600 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF143531.D

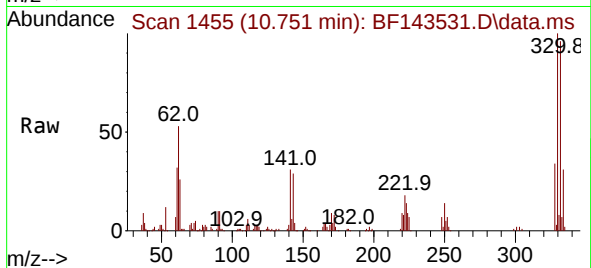
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Instrument :

BNA_F

ClientSampleId :

84SB-W



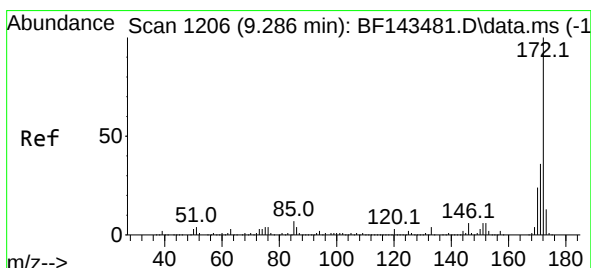
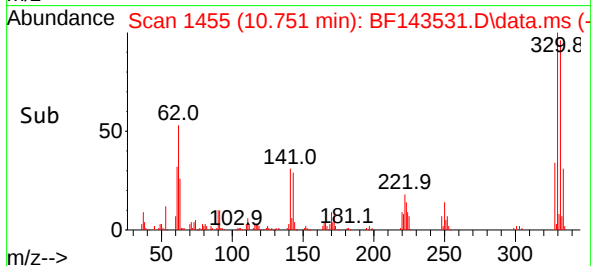
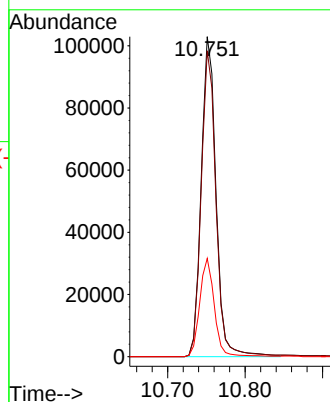
Tgt Ion:330 Resp: 136637

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

141 30.4 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 51.222 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

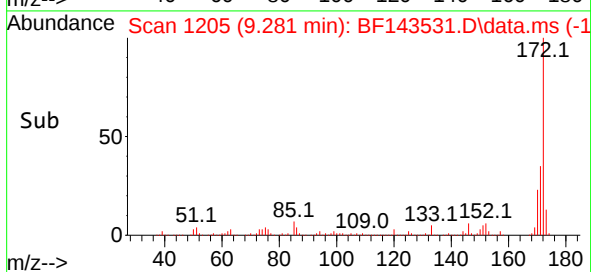
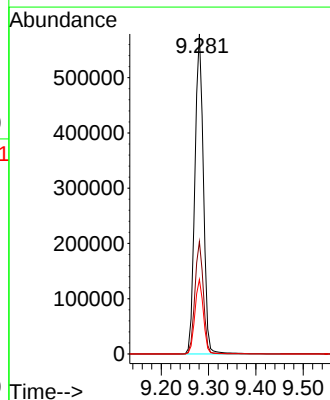
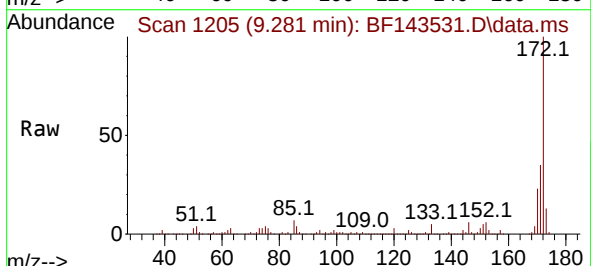
Tgt Ion:172 Resp: 726749

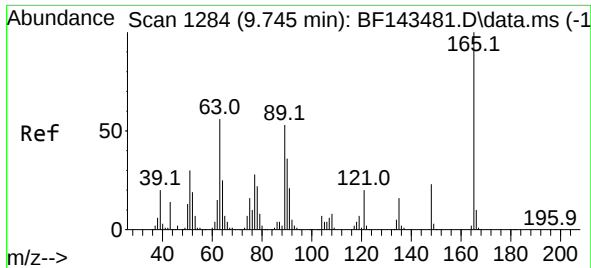
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.3 18.8 28.2

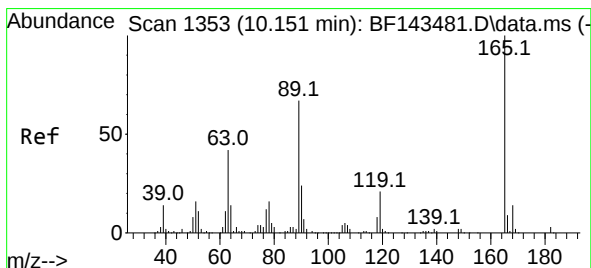
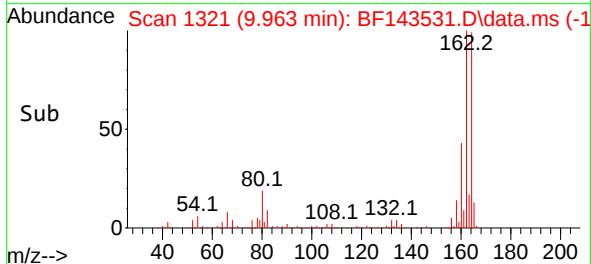
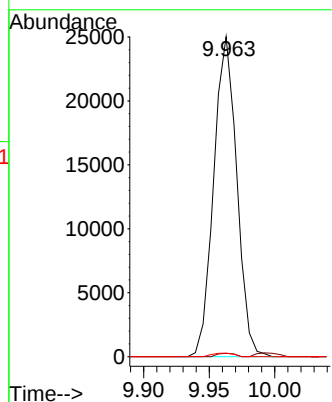
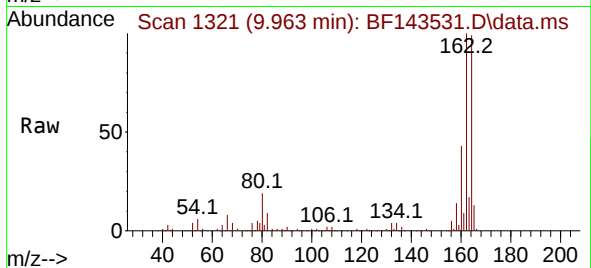




#51
2,6-Dinitrotoluene
Concen: 10.454 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

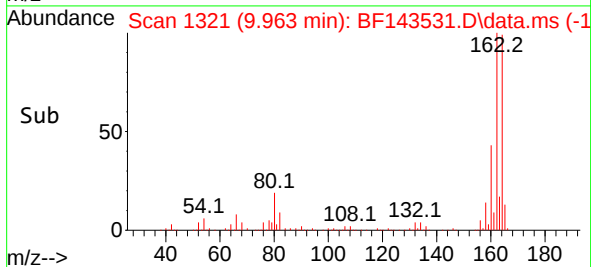
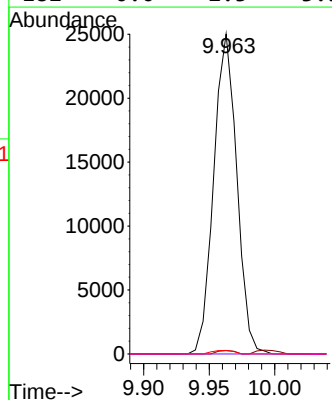
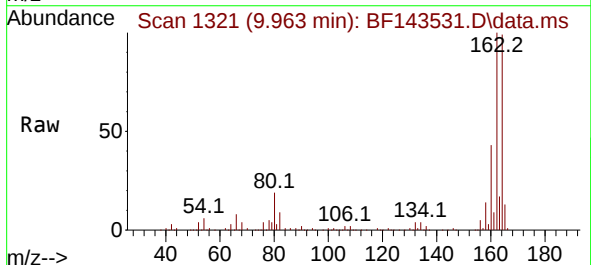
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ClientSampleId :
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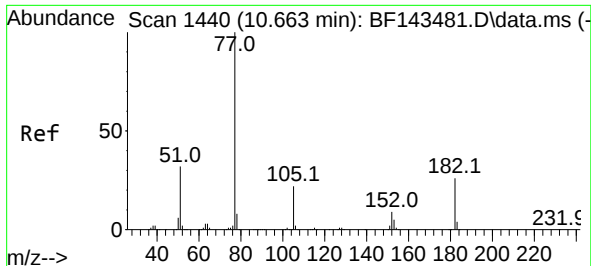
Tgt Ion:165 Resp: 30598
Ion Ratio Lower Upper
165 100
63 1.0 45.0 67.6#
89 1.1 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.829 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Tgt Ion:165 Resp: 30598
Ion Ratio Lower Upper
165 100
63 1.0 34.9 52.3#
89 1.1 53.3 79.9#
182 0.0 2.3 3.5#

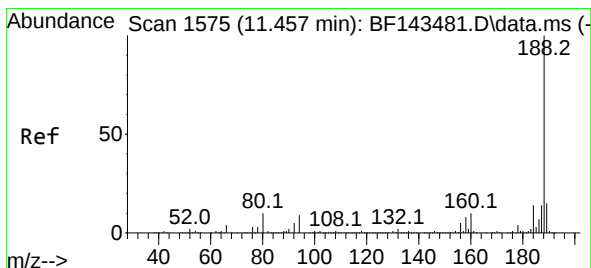
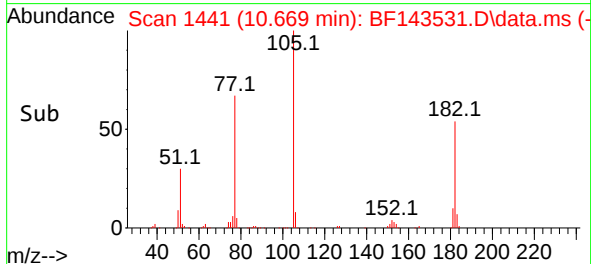
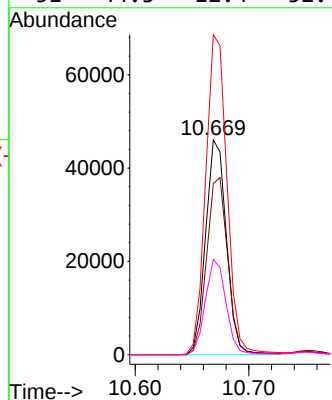
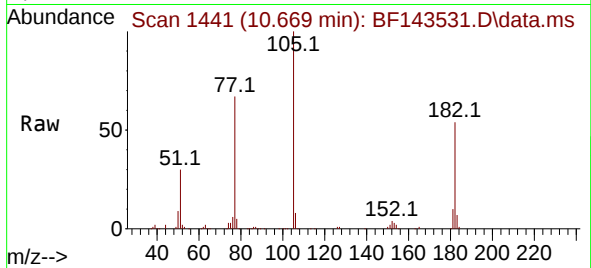




#63
Azobenzene
Concen: 4.466 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

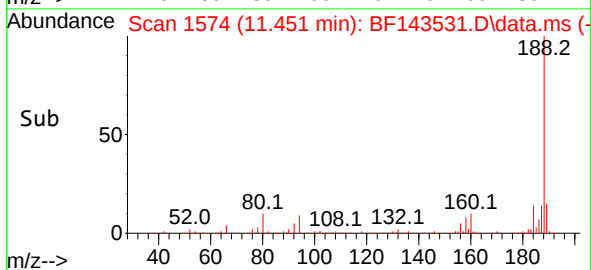
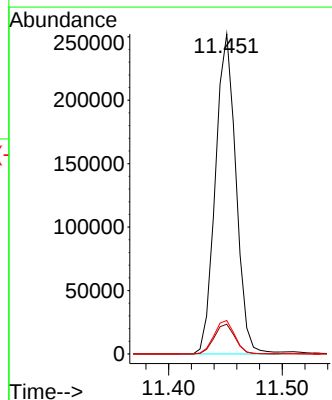
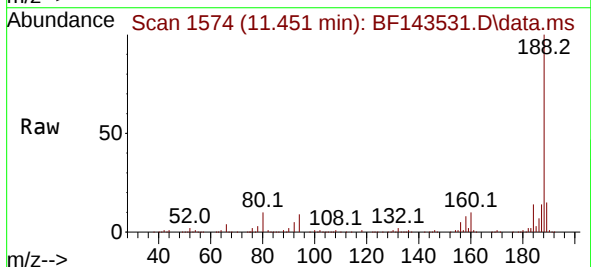
Instrument :
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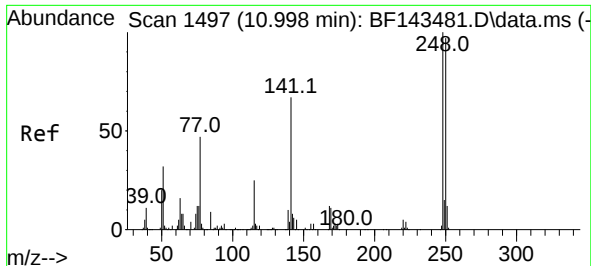
Tgt Ion: 77 Resp: 58631
Ion Ratio Lower Upper
77 100
182 79.7 6.2 46.2#
105 149.0 2.2 42.2#
51 44.3 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Tgt Ion: 188 Resp: 317712
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.5 8.2 12.4

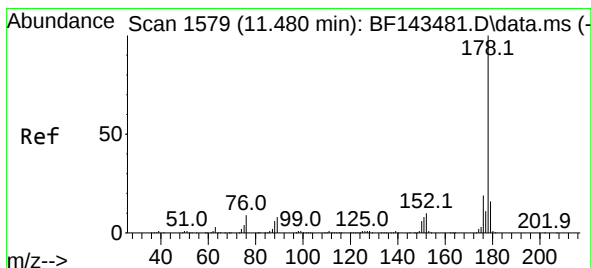
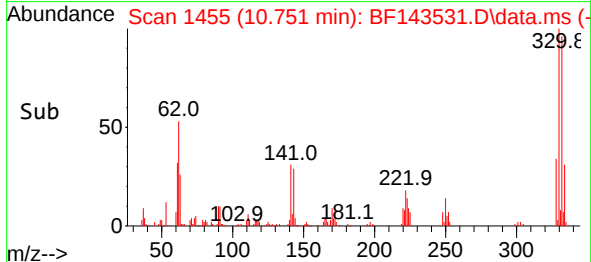
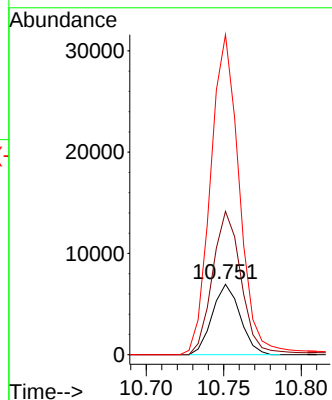
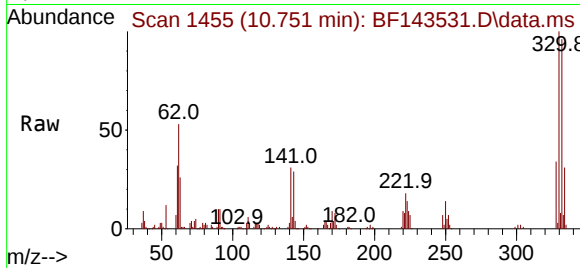




#67
4-Bromophenyl-phenylether
Concen: 2.296 ng
RT: 10.751 min Scan# 1497
Delta R.T. -0.247 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

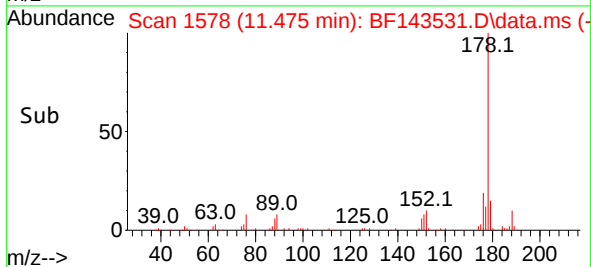
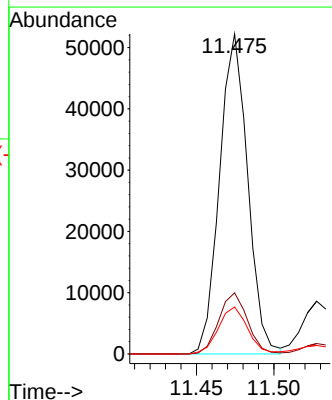
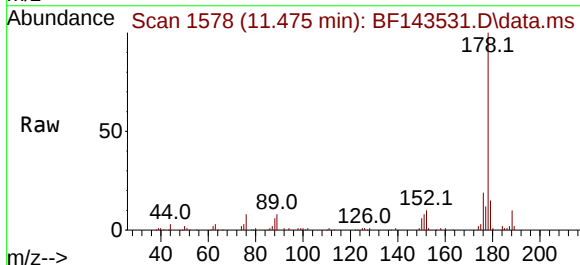
Instrument :
BNA_F
ClientSampleId :
84SB-W

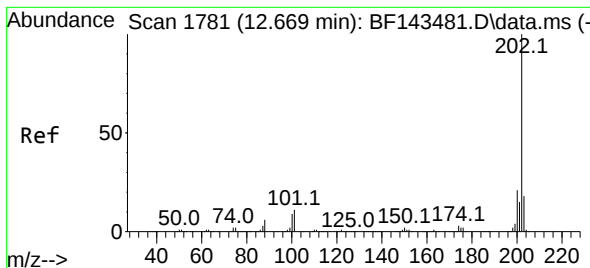
Tgt Ion:248 Resp: 8704
Ion Ratio Lower Upper
248 100
250 203.5 77.8 116.8#
141 454.4 54.0 81.0#



#71
Phenanthrene
Concen: 3.872 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Tgt Ion:178 Resp: 65872
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 14.7 12.5 18.7





#75

Fluoranthene

Concen: 5.209 ng

RT: 12.669 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

Instrument :

BNA_F

ClientSampleId :

84SB-W

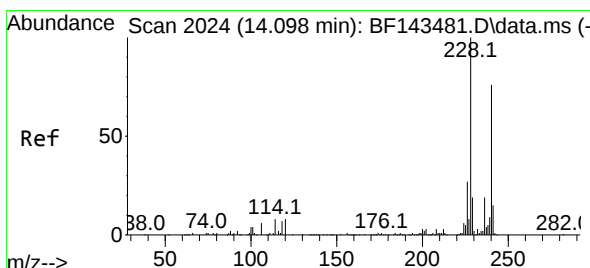
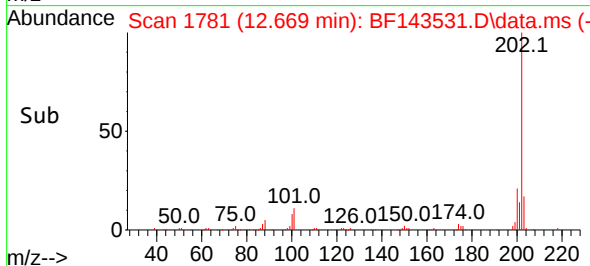
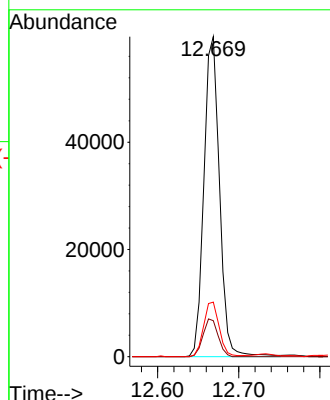
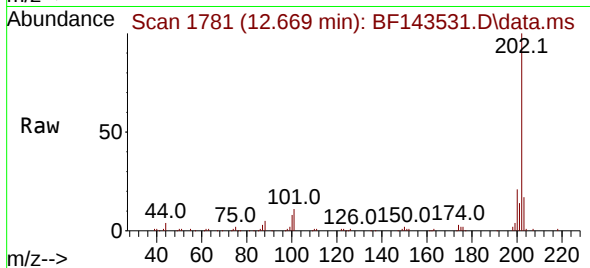
Tgt Ion:202 Resp: 79522

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

203 17.1 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

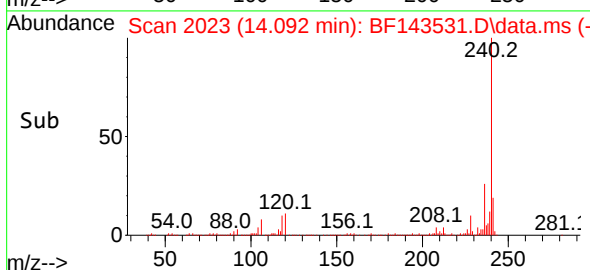
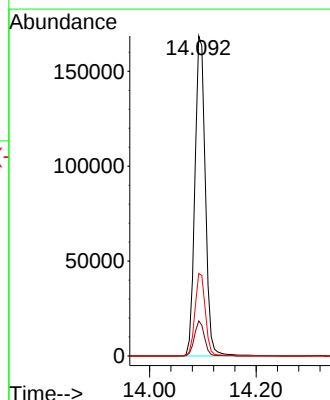
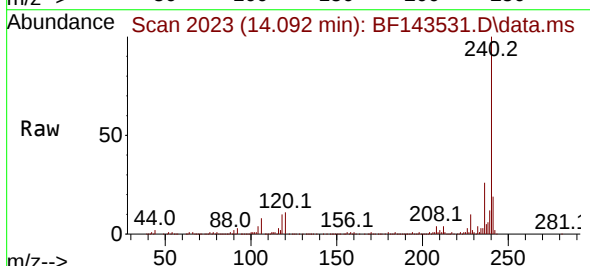
Tgt Ion:240 Resp: 229692

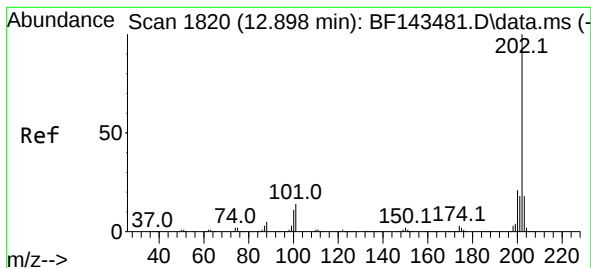
Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

236 25.8 20.4 30.6





#78

Pyrene

Concen: 3.487 ng

RT: 12.898 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

Instrument :

BNA_F

ClientSampleId :

84SB-W

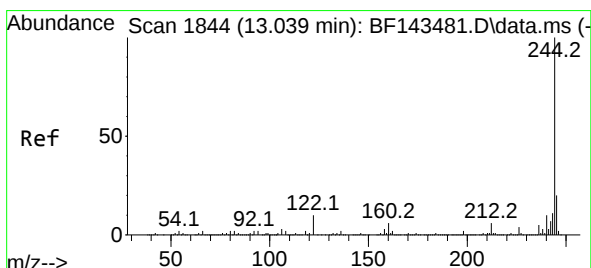
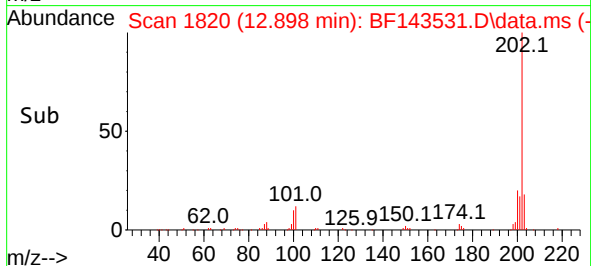
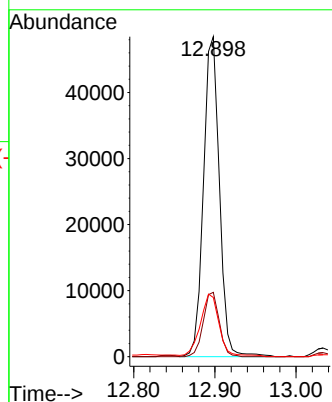
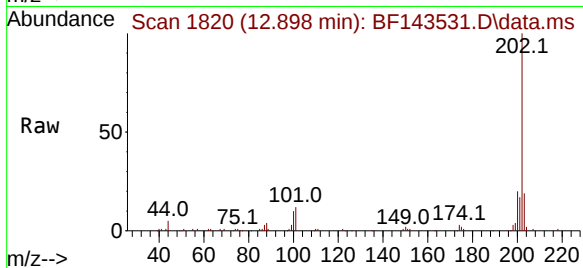
Tgt Ion:202 Resp: 65892

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

203 18.5 14.3 21.5



#79

Terphenyl-d14

Concen: 37.344 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

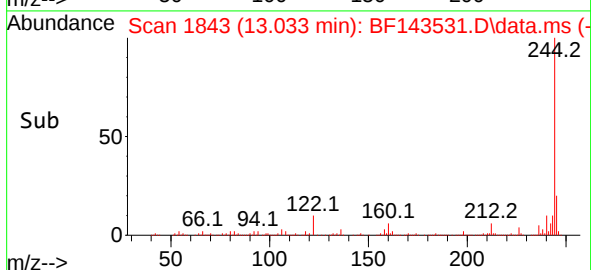
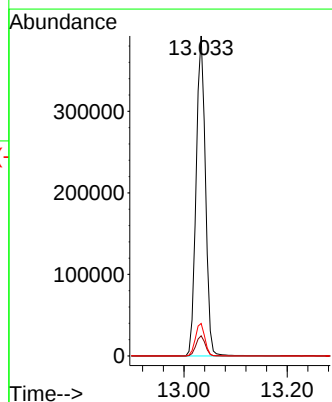
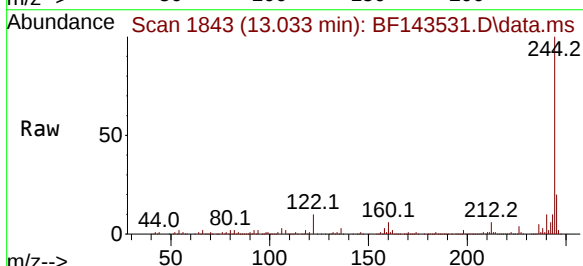
Tgt Ion:244 Resp: 491548

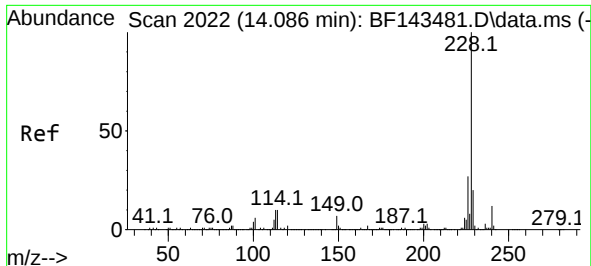
Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

122 10.2 7.9 11.9

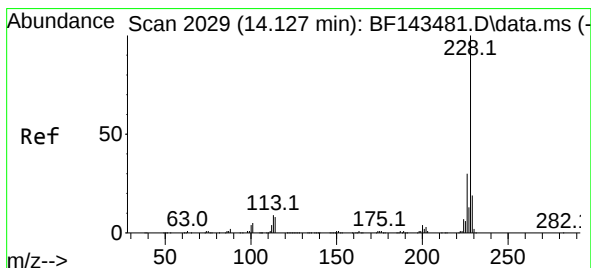
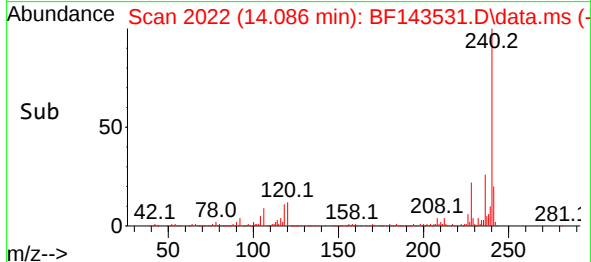
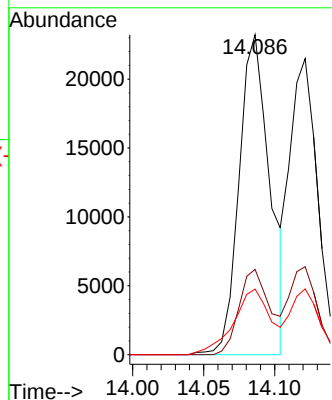
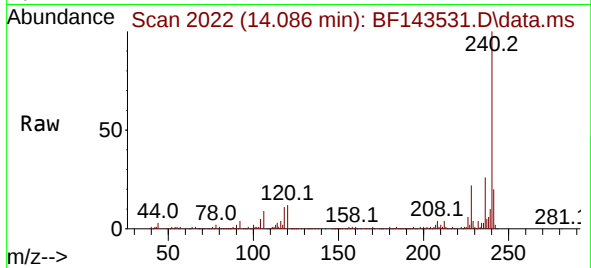




#81
Benzo(a)anthracene
Concen: 2.368 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

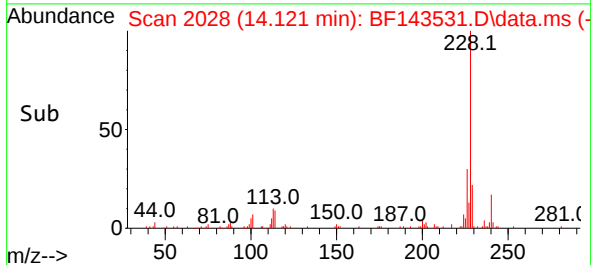
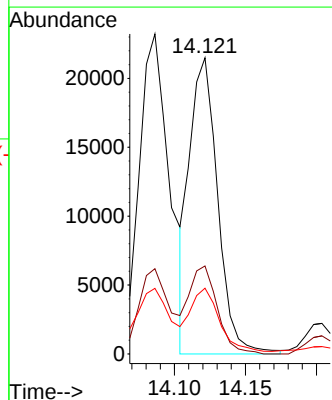
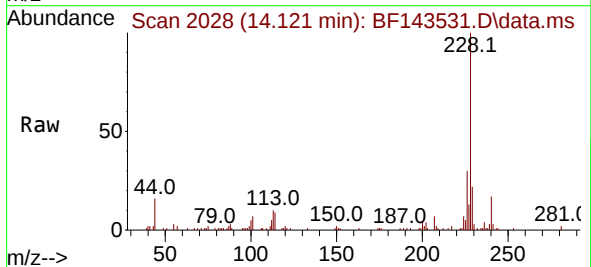
Instrument :
BNA_F
ClientSampleId :
84SB-W

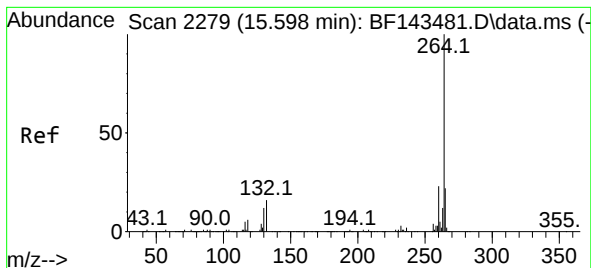
Tgt Ion:228 Resp: 35019
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 20.5 15.7 23.5



#83
Chrysene
Concen: 2.231 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Tgt Ion:228 Resp: 29650
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 22.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

Instrument :

BNA_F

ClientSampleId :

84SB-W

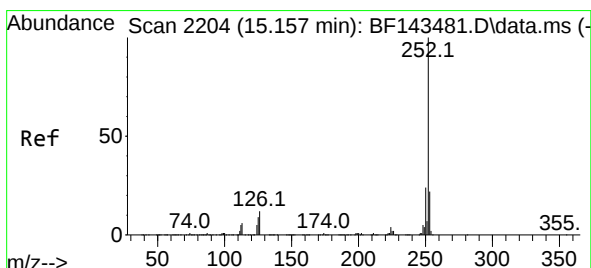
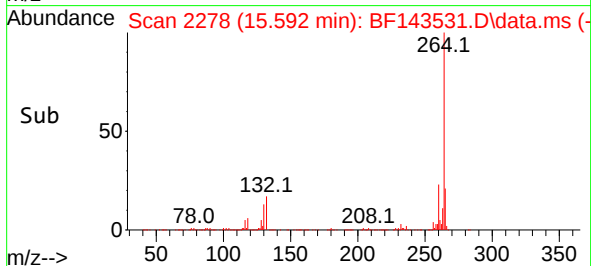
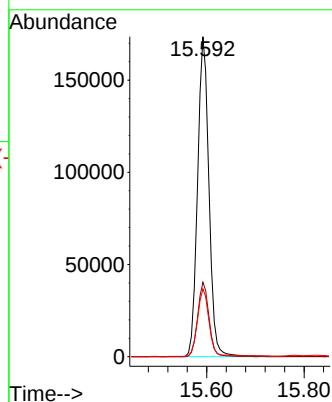
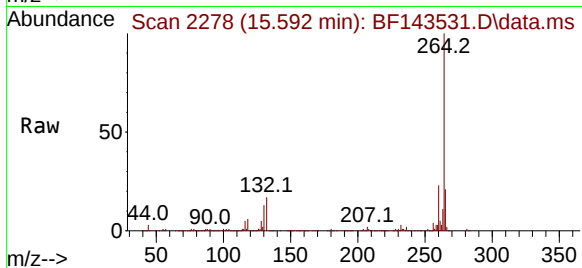
Tgt Ion:264 Resp: 283075

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.2 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 3.435 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

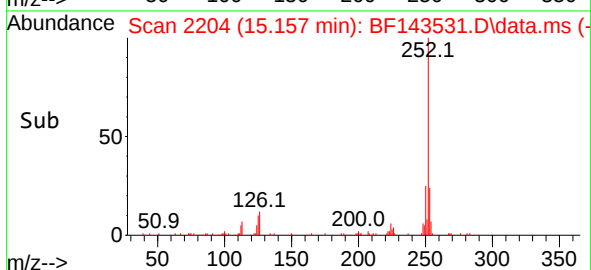
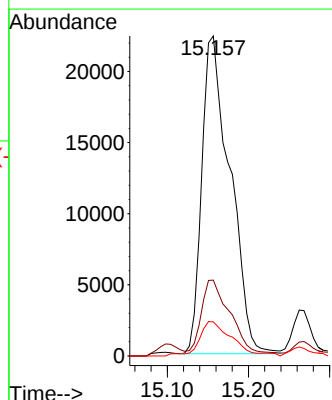
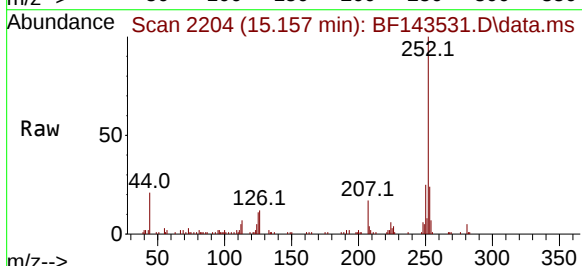
Tgt Ion:252 Resp: 54047

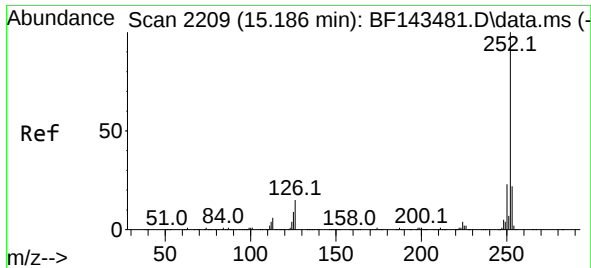
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 10.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 3.587 ng

RT: 15.157 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143531.D

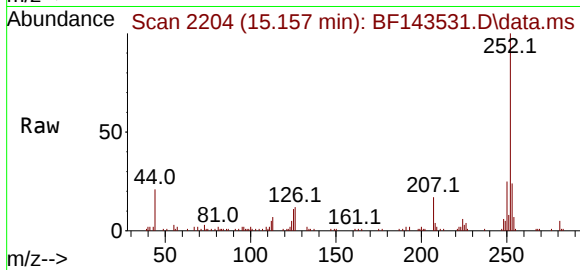
Acq: 21 Aug 2025 15:40

Instrument :

BNA_F

ClientSampleId :

84SB-W



Tgt Ion:252 Resp: 54047

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 10.6 7.4 11.0

