

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143533.D
 Acq On : 21 Aug 2025 16:38
 Operator : RC/JU
 Sample : Q2819-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22BP-N

Quant Time: Aug 21 17:25:36 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)

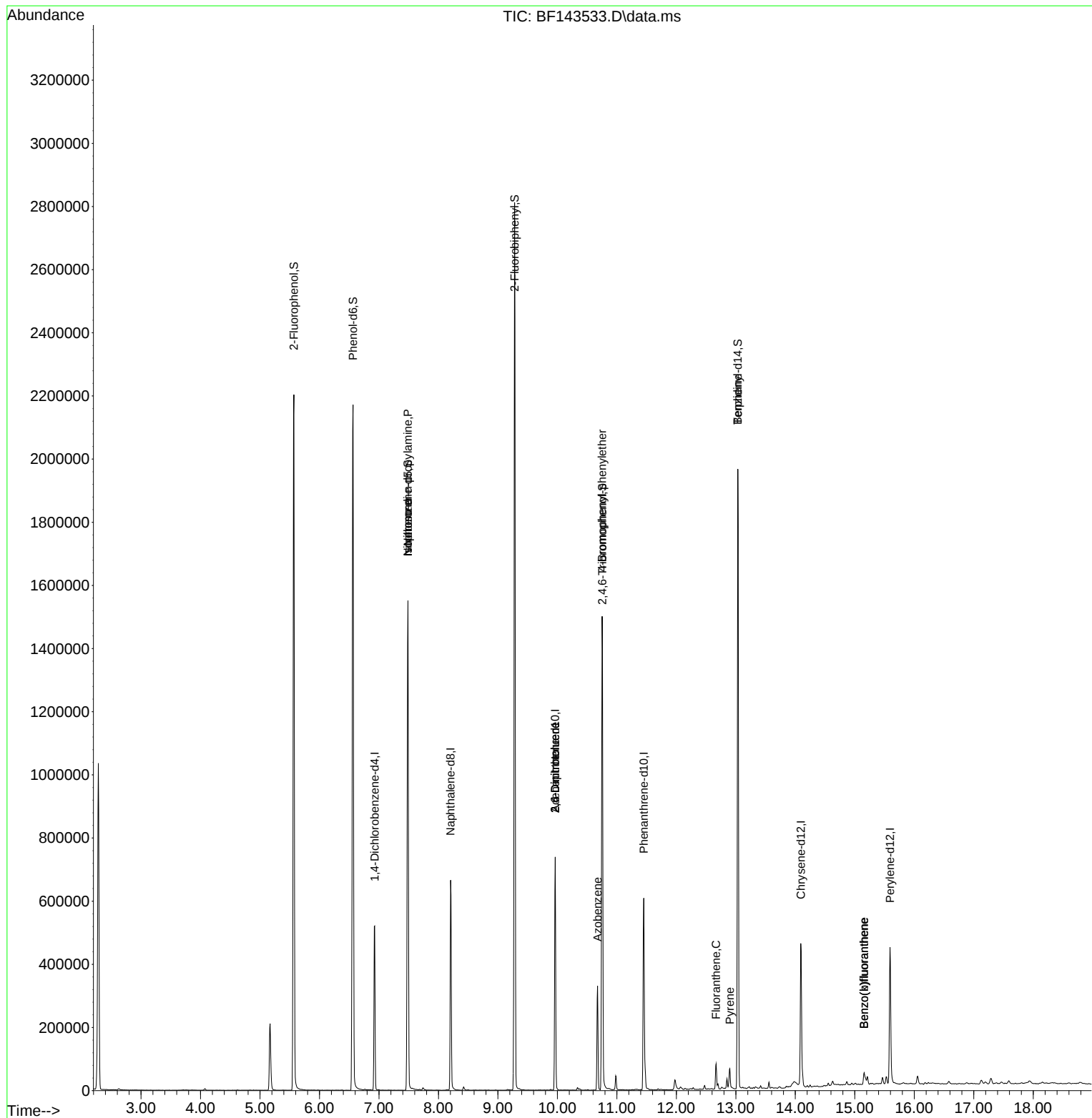
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	112966	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	428039	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	220061	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	314605	20.000	ng	0.00
76) Chrysene-d12	14.092	240	220570	20.000	ng	-0.01
86) Perylene-d12	15.592	264	260684	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	842597	130.244	ng	0.00
7) Phenol-d6	6.563	99	1086824	136.089	ng	-0.01
23) Nitrobenzene-d5	7.486	82	713328	97.248	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	273720	133.623	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1249277	93.822	ng	0.00
79) Terphenyl-d14	13.033	244	963544	76.231	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.486	70	98247	20.127	ng	# 78
25) Isophorone	7.486	82	690472	51.352	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	28470	10.364	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	28470	7.762	ng	# 26
63) Azobenzene	10.674	77	82806	6.721	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	18143	4.833	ng	# 1
75) Fluoranthene	12.668	202	48638	3.217	ng	99
77) Benzidine	13.033	184	11798	2.196	ng	# 93
78) Pyrene	12.898	202	37910	2.089	ng	98
88) Benzo(b)fluoranthene	15.156	252	34824	2.403	ng	99
89) Benzo(k)fluoranthene	15.156	252	34824	2.510	ng	99

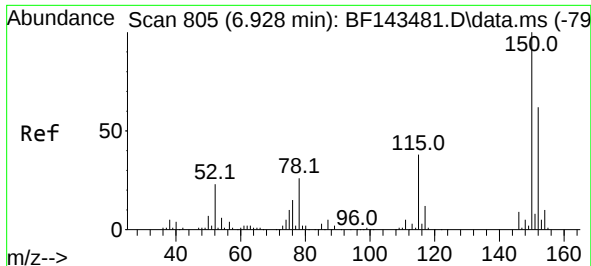
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143533.D
Acq On : 21 Aug 2025 16:38
Operator : RC/JU
Sample : Q2819-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22BP-N

Quant Time: Aug 21 17:25:36 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

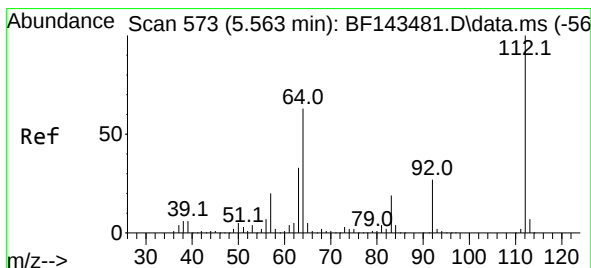
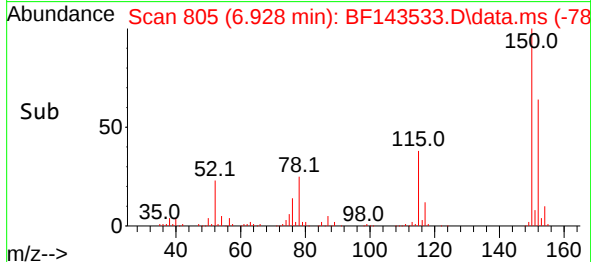
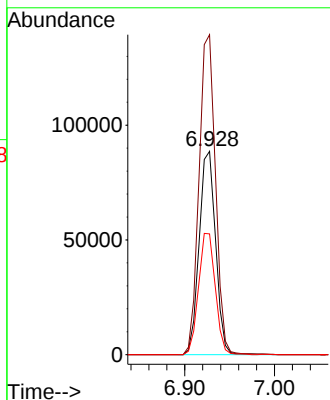
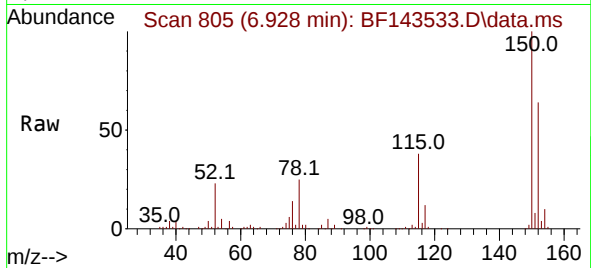




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

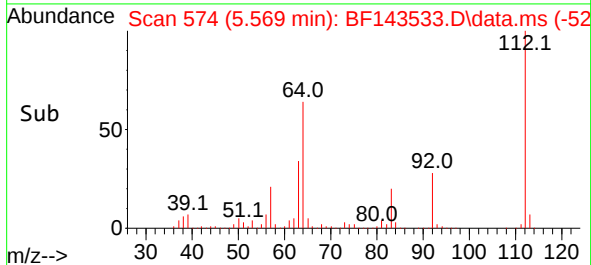
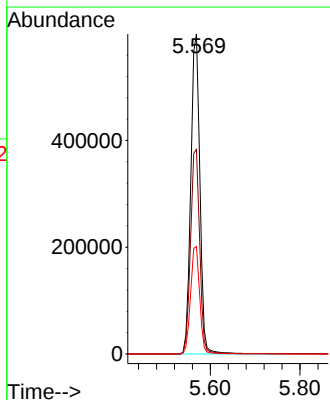
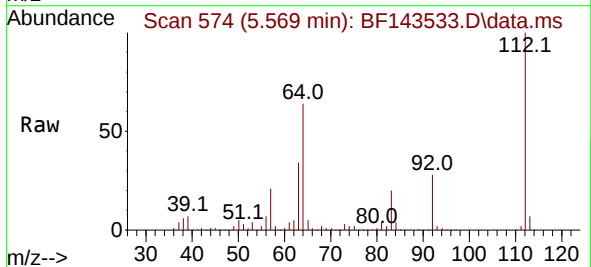
Instrument :
BNA_F
ClientSampleId :
22BP-N

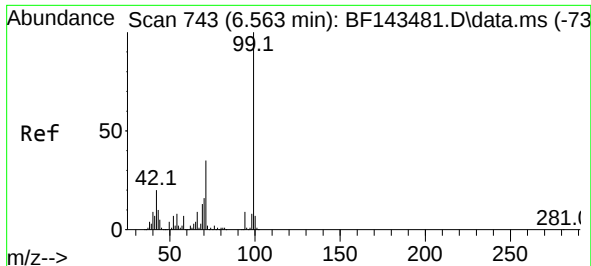
Tgt Ion:152 Resp: 112966
Ion Ratio Lower Upper
152 100
150 157.3 128.9 193.3
115 59.4 49.2 73.8



#5
2-Fluorophenol
Concen: 130.244 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Tgt Ion:112 Resp: 842597
Ion Ratio Lower Upper
112 100
64 63.9 50.4 75.6
63 33.5 26.4 39.6





#7
Phenol-d6
Concen: 136.089 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

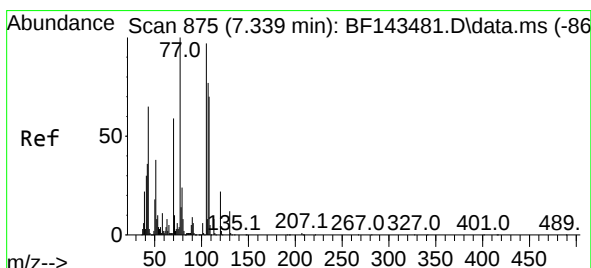
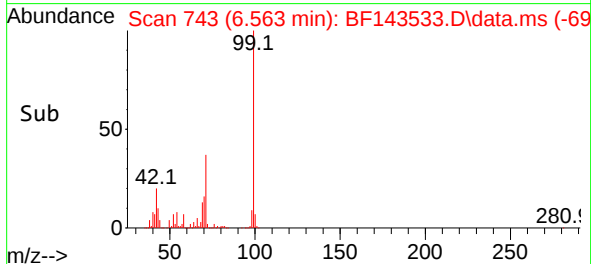
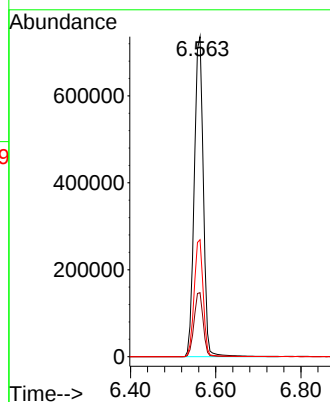
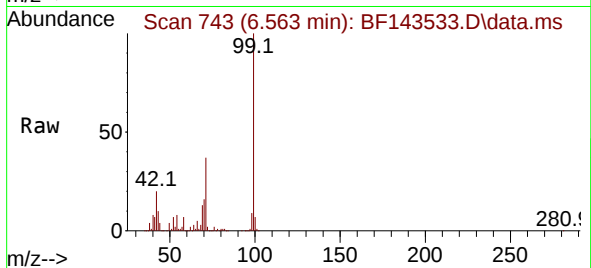
Instrument :

BNA_F

ClientSampleId :

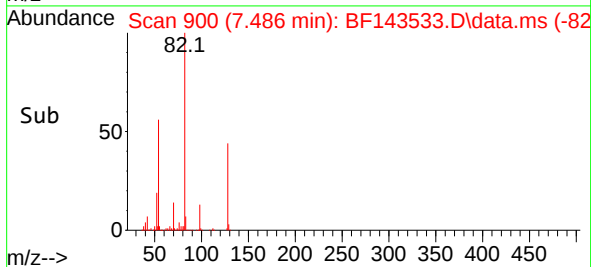
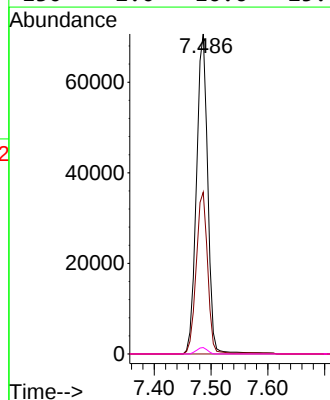
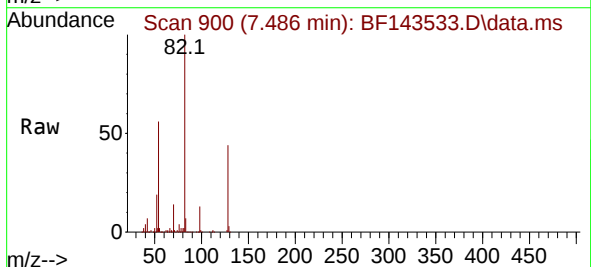
22BP-N

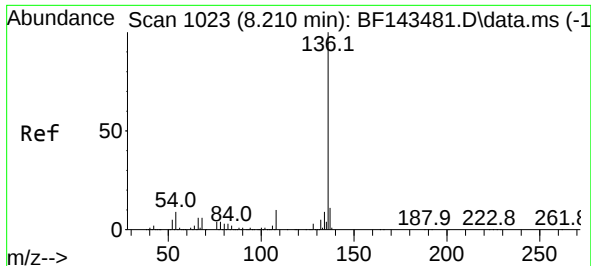
Tgt Ion: 99 Resp: 1086824
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 36.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.127 ng
RT: 7.486 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Tgt Ion: 70 Resp: 98247
Ion Ratio Lower Upper
70 100
42 50.5 49.3 73.9
101 0.0 7.8 11.8#
130 2.0 16.6 25.0#



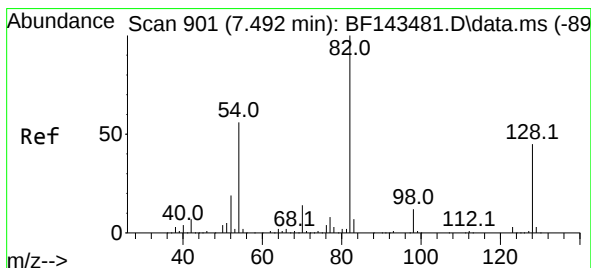
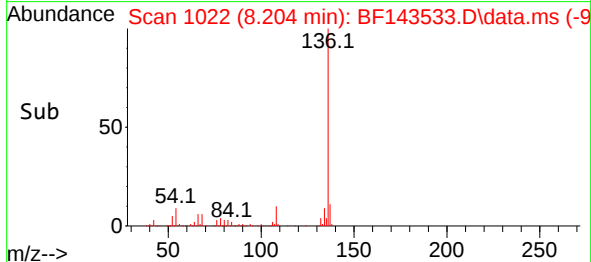
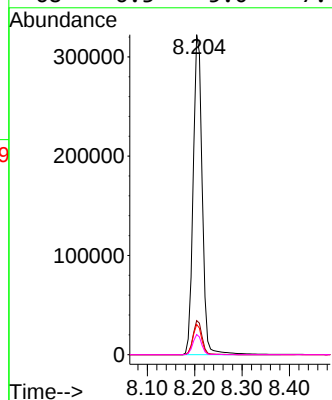
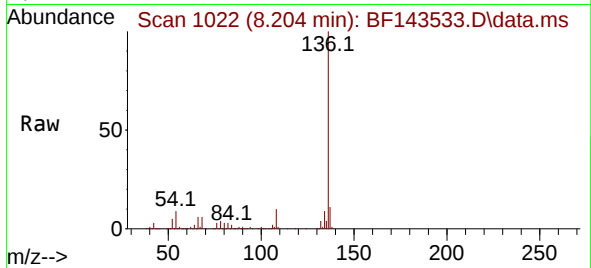


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Instrument :
BNA_F
ClientSampleId :
22BP-N

Tgt Ion:136 Resp: 428039

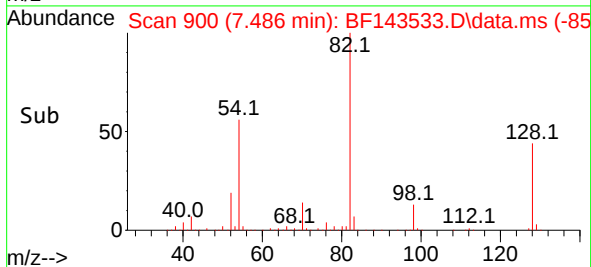
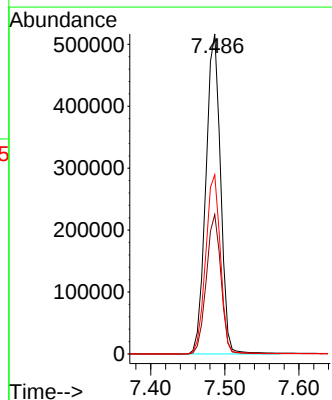
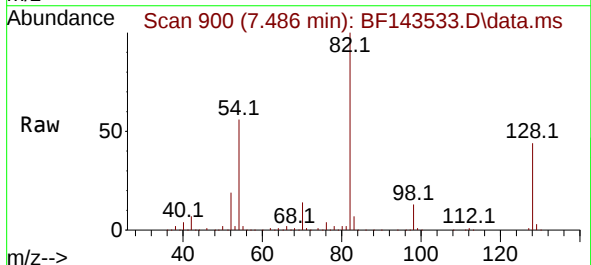
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	9.5	7.4	11.2
68	6.3	5.0	7.4

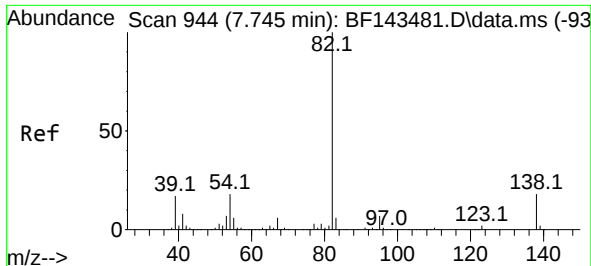


#23
Nitrobenzene-d5
Concen: 97.248 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Tgt Ion: 82 Resp: 713328

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.5	53.3
54	56.0	44.3	66.5

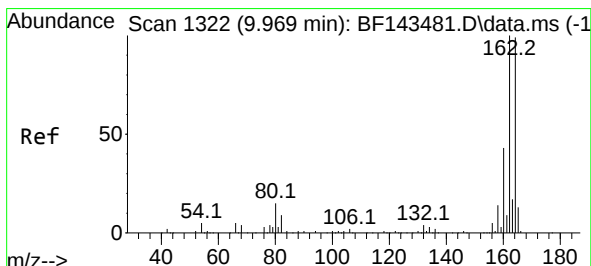
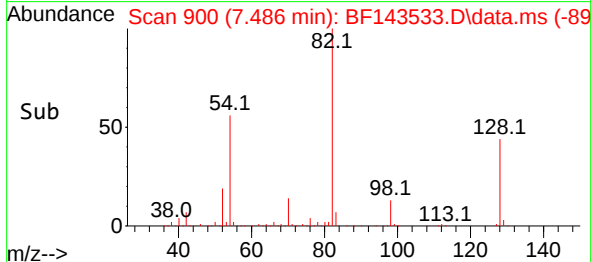
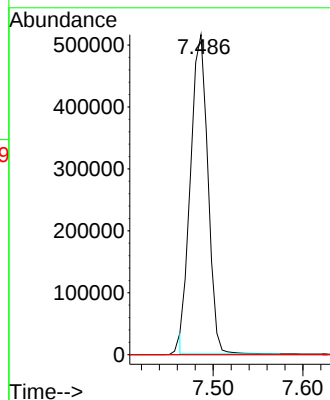
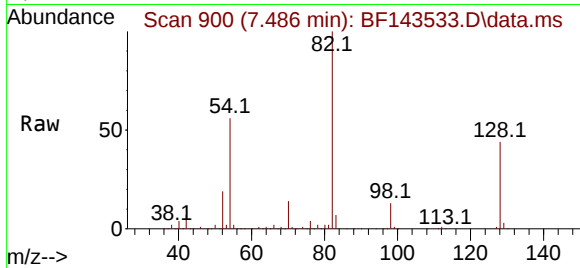




#25
Isophorone
Concen: 51.352 ng
RT: 7.486 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

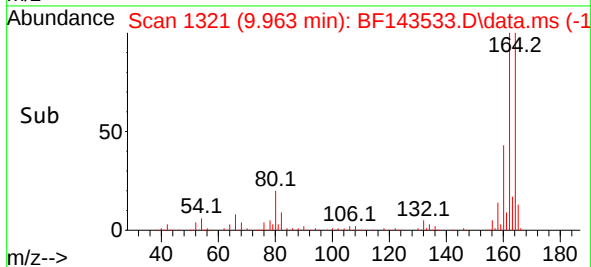
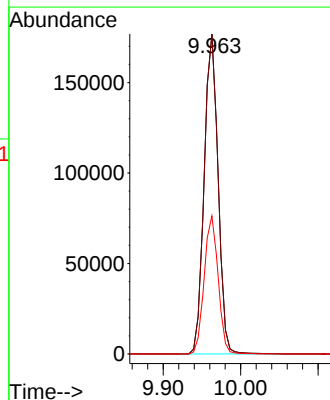
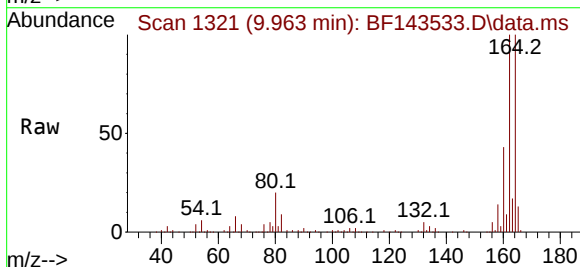
Instrument :
BNA_F
ClientSampleId :
22BP-N

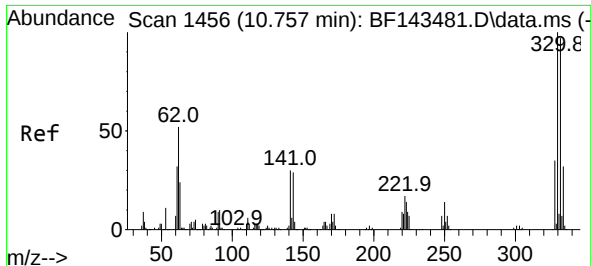
Tgt Ion: 82 Resp: 690472
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Tgt Ion:164 Resp: 220061
Ion Ratio Lower Upper
164 100
162 100.2 80.5 120.7
160 43.2 34.3 51.5

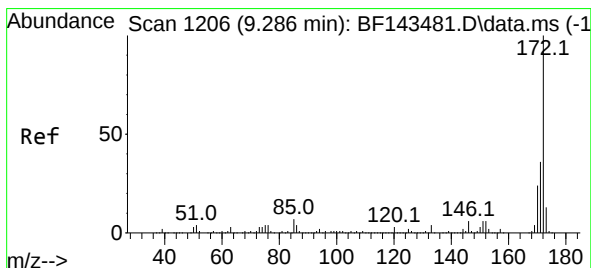
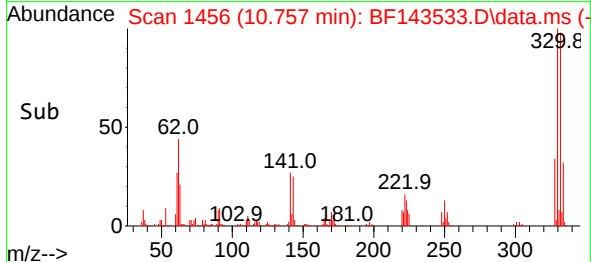
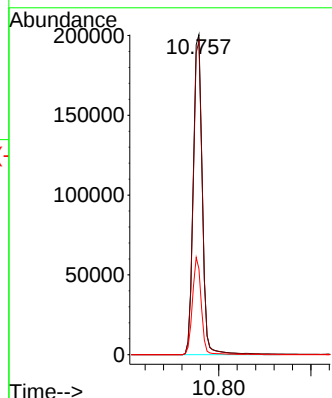
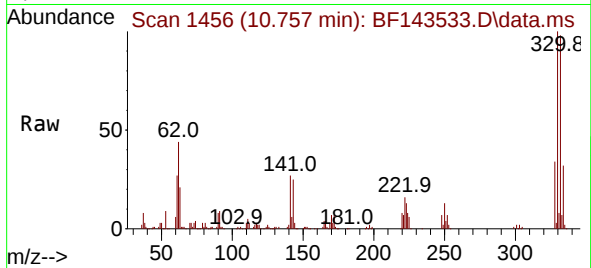




#42
2,4,6-Tribromophenol
Concen: 133.623 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

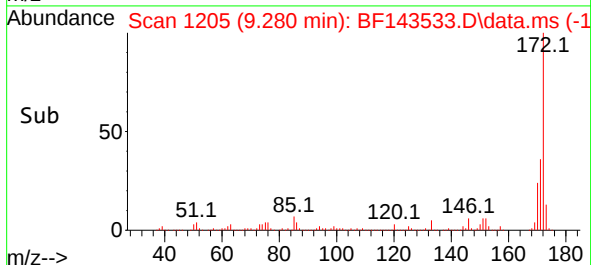
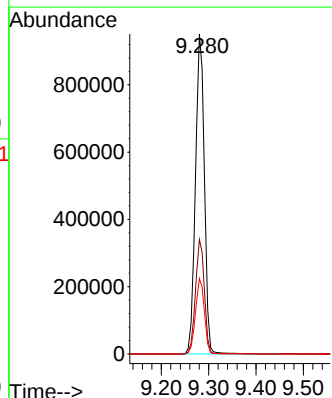
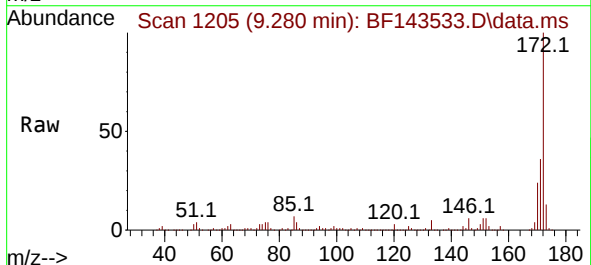
Instrument :
BNA_F
ClientSampleId :
22BP-N

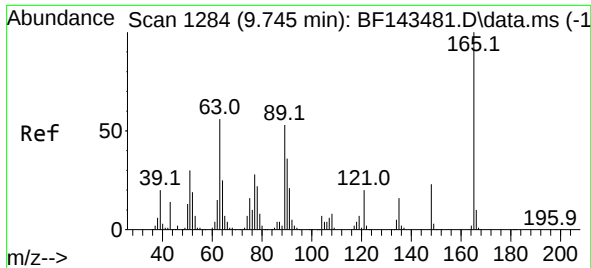
Tgt Ion:330 Resp: 273720
Ion Ratio Lower Upper
330 100
332 97.7 78.0 117.0
141 29.4 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 93.822 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Tgt Ion:172 Resp: 1249277
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.5 18.8 28.2

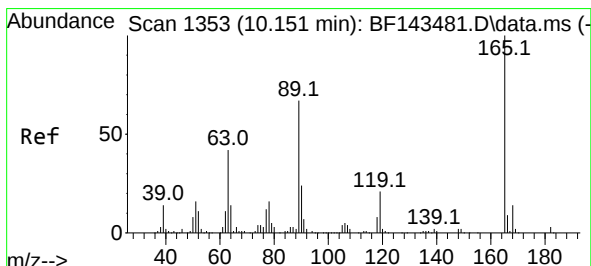
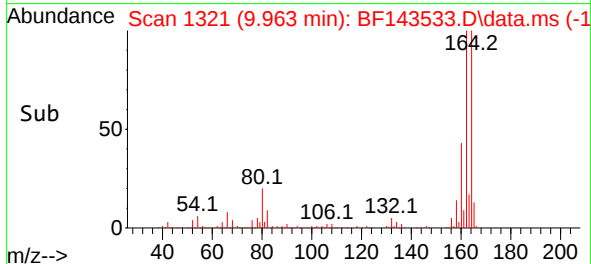
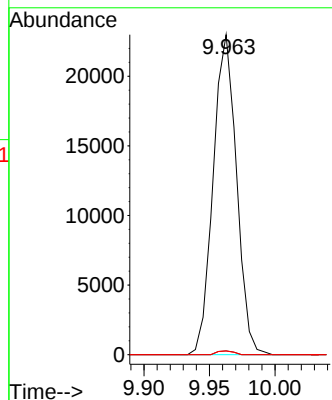
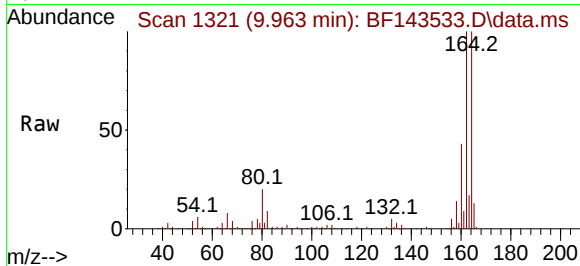




#51
2,6-Dinitrotoluene
Concen: 10.364 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

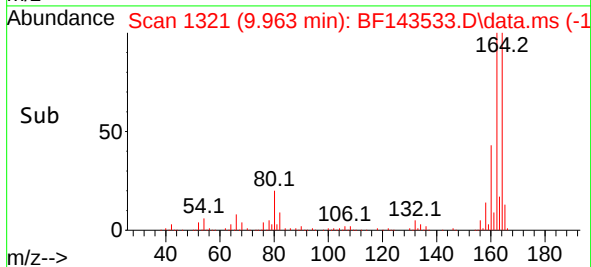
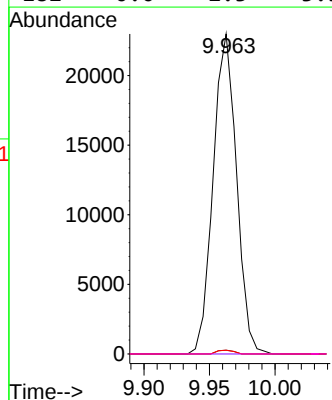
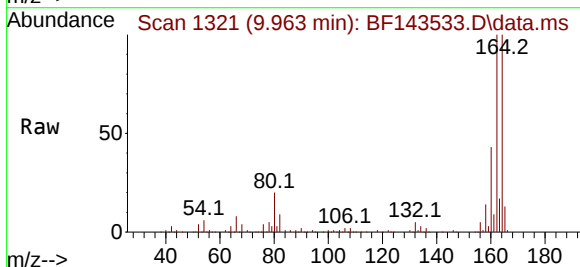
Instrument :
BNA_F
ClientSampleId :
22BP-N

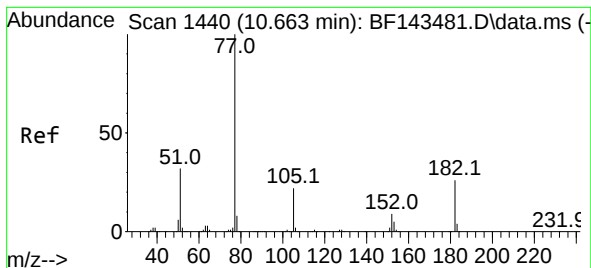
Tgt Ion:165 Resp: 28470
Ion Ratio Lower Upper
165 100
63 1.2 45.0 67.6#
89 1.1 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.762 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Tgt Ion:165 Resp: 28470
Ion Ratio Lower Upper
165 100
63 1.2 34.9 52.3#
89 1.1 53.3 79.9#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 6.721 ng

RT: 10.674 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

Instrument :

BNA_F

ClientSampleId :

22BP-N

Tgt Ion: 77 Resp: 82806

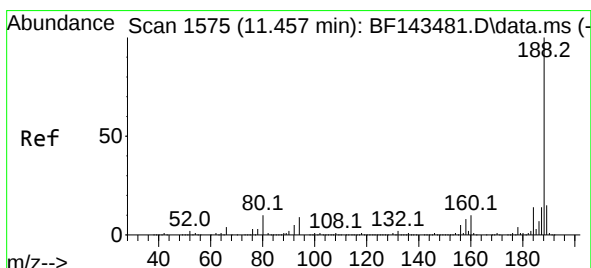
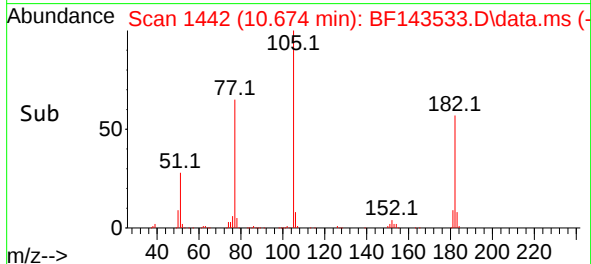
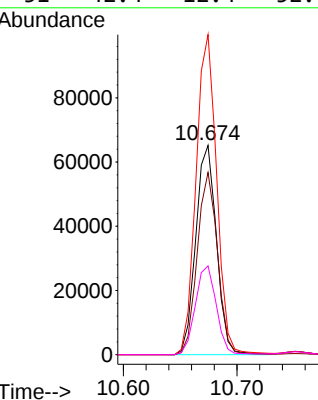
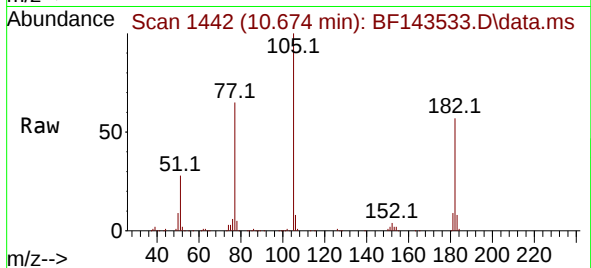
Ion Ratio Lower Upper

77 100

182 87.1 6.2 46.2#

105 152.9 2.2 42.2#

51 42.4 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: BF143533.D

Acq: 21 Aug 2025 16:38

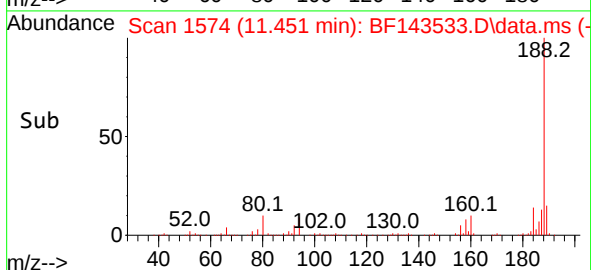
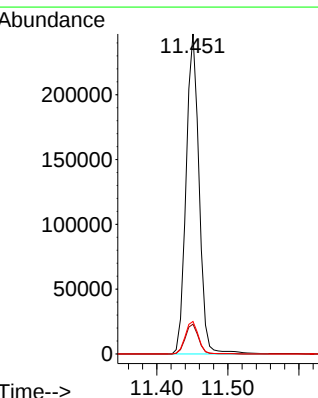
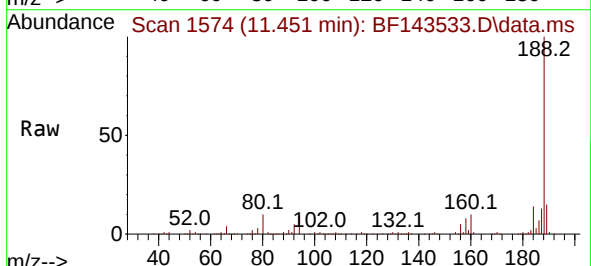
Tgt Ion: 188 Resp: 314605

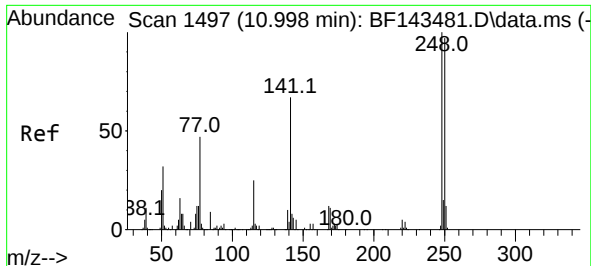
Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.2 8.2 12.4

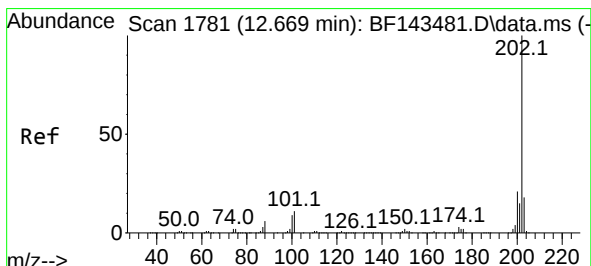
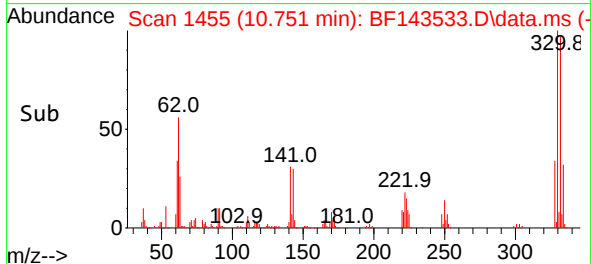
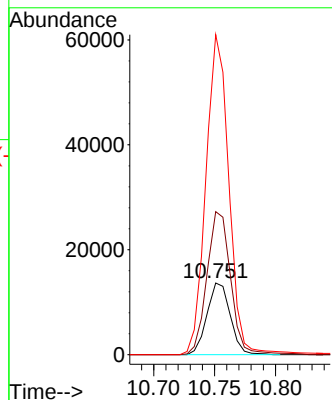
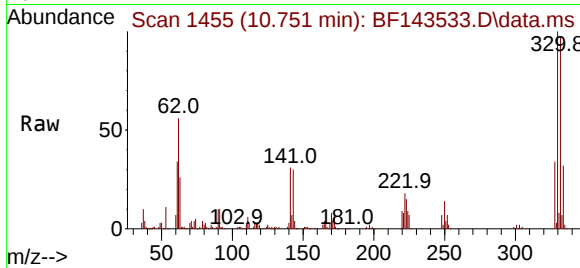




#67
4-Bromophenyl-phenylether
Concen: 4.833 ng
RT: 10.751 min Scan# 1497
Delta R.T. -0.247 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

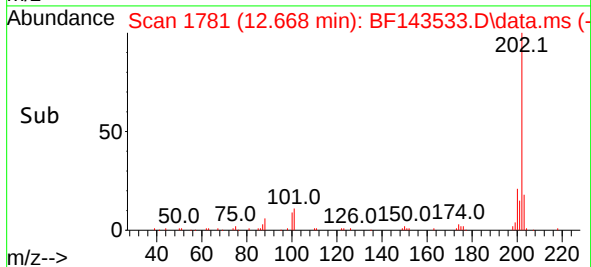
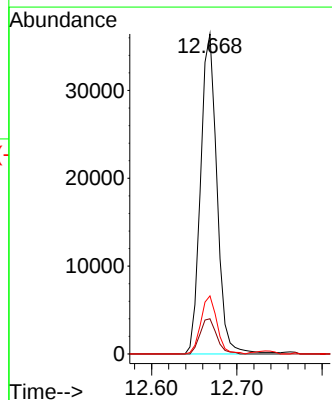
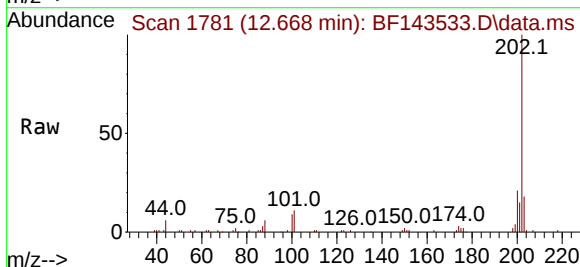
Instrument :
BNA_F
ClientSampleId :
22BP-N

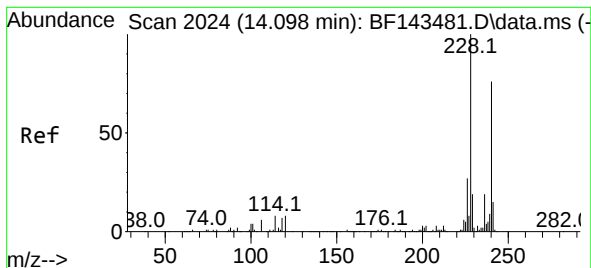
Tgt Ion:248 Resp: 18143
Ion Ratio Lower Upper
248 100
250 199.7 77.8 116.8#
141 446.7 54.0 81.0#



#75
Fluoranthene
Concen: 3.217 ng
RT: 12.668 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Tgt Ion:202 Resp: 48638
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 18.2 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

Instrument :

BNA_F

ClientSampleId :

22BP-N

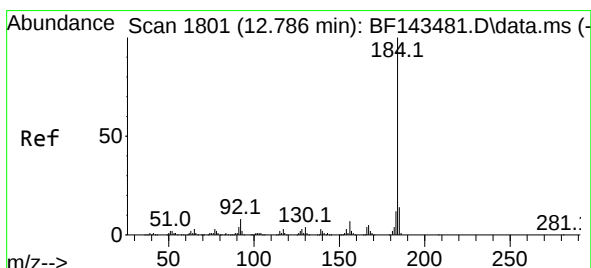
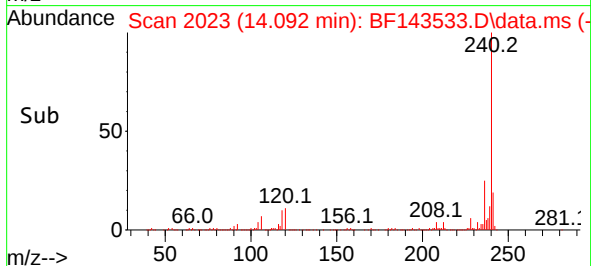
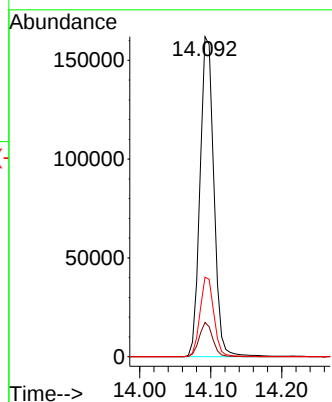
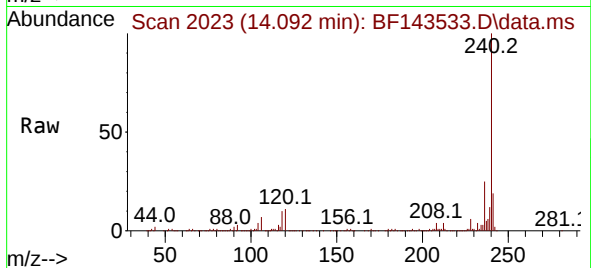
Tgt Ion:240 Resp: 220570

Ion Ratio Lower Upper

240 100

120 10.7 8.6 12.8

236 24.9 20.4 30.6



#77

Benidine

Concen: 2.196 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

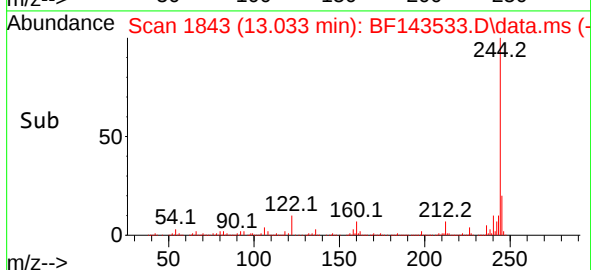
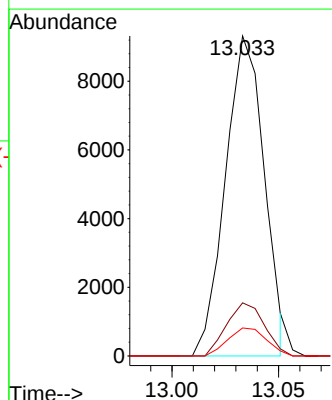
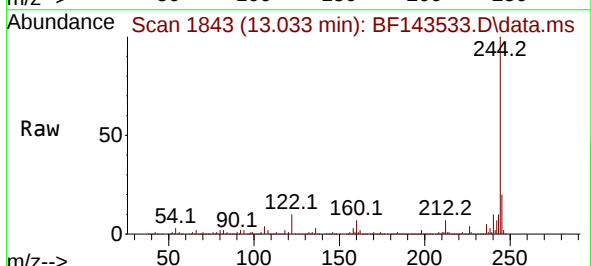
Tgt Ion:184 Resp: 11798

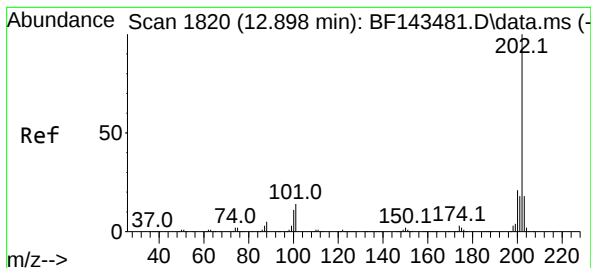
Ion Ratio Lower Upper

184 100

185 16.6 11.3 16.9

183 8.7 9.5 14.3#





#78

Pyrene

Concen: 2.089 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

Instrument :

BNA_F

ClientSampleId :

22BP-N

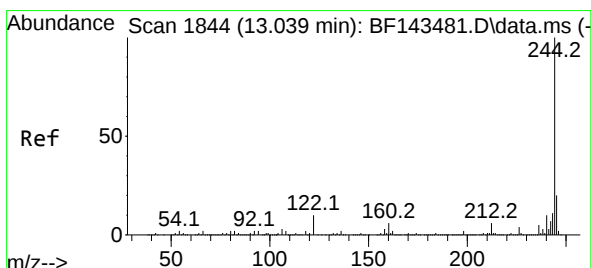
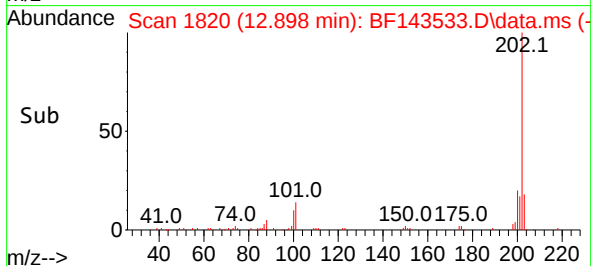
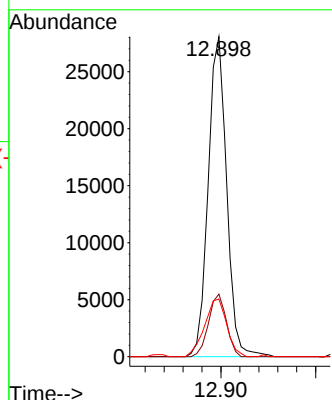
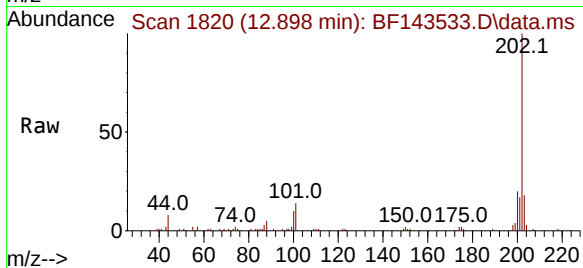
Tgt Ion:202 Resp: 37910

Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.4

203 18.0 14.3 21.5



#79

Terphenyl-d14

Concen: 76.231 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

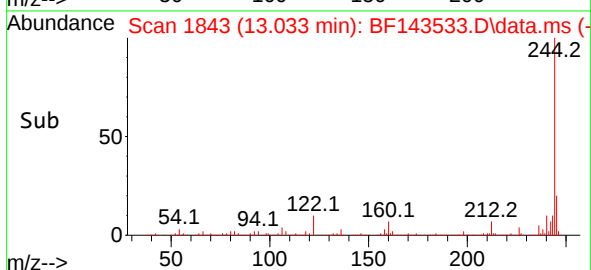
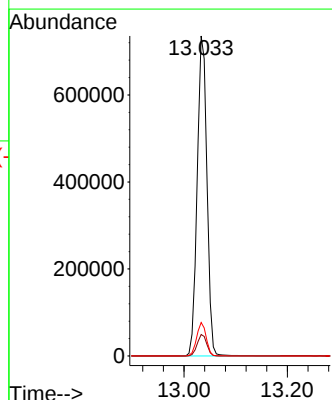
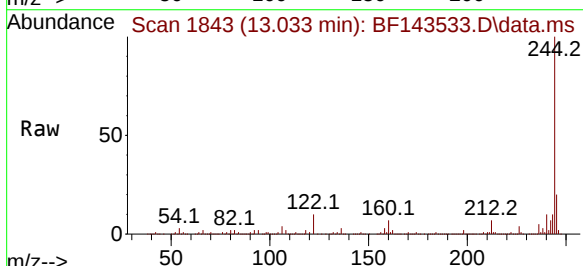
Tgt Ion:244 Resp: 963544

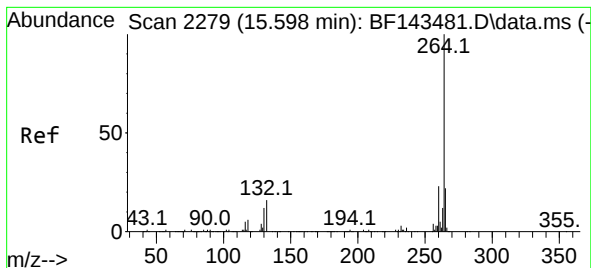
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.4 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

Instrument :

BNA_F

ClientSampleId :

22BP-N

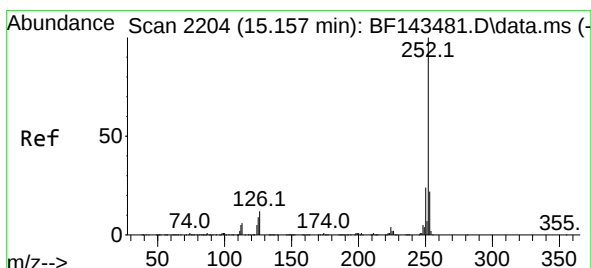
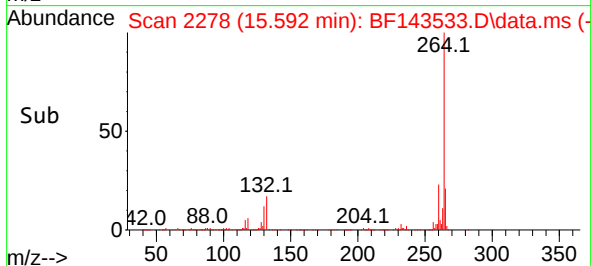
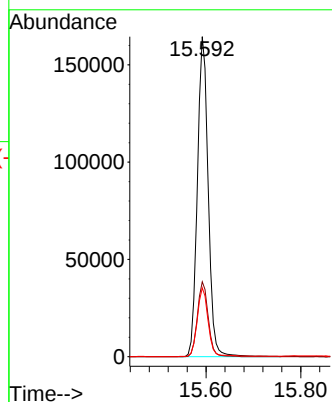
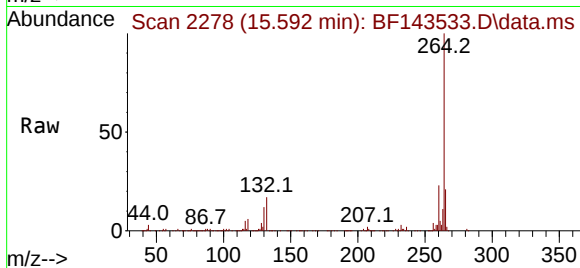
Tgt Ion:264 Resp: 260684

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.5 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 2.403 ng

RT: 15.156 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

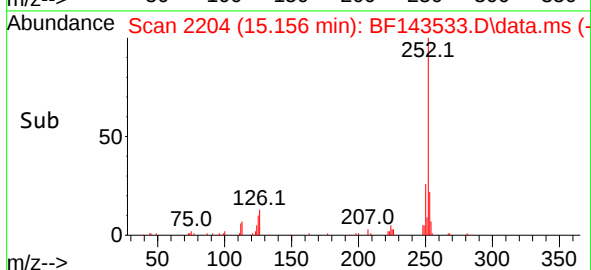
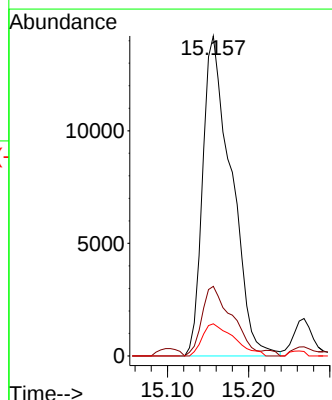
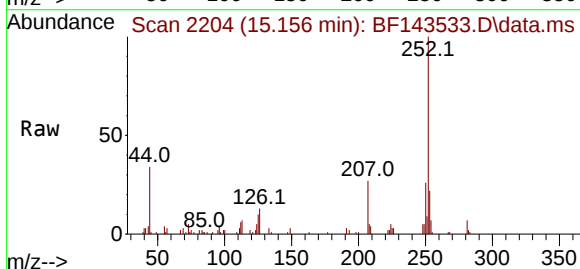
Tgt Ion:252 Resp: 34824

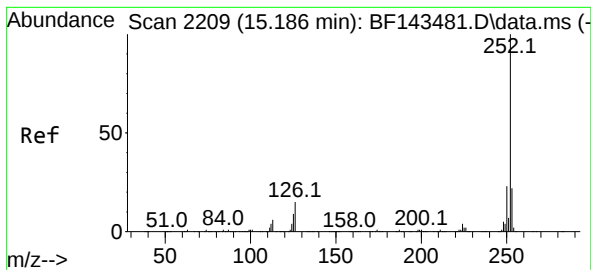
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 2.510 ng

RT: 15.156 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143533.D

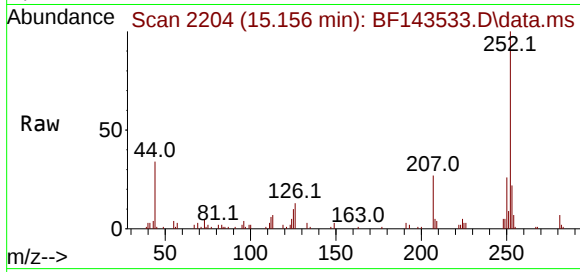
Acq: 21 Aug 2025 16:38

Instrument :

BNA_F

ClientSampleId :

22BP-N



Tgt Ion:252 Resp: 34824

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 10.1 7.4 11.0

