

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143525.D
 Acq On : 21 Aug 2025 12:46
 Operator : RC/JU
 Sample : Q2819-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11M-N

Quant Time: Aug 21 13:50:06 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)

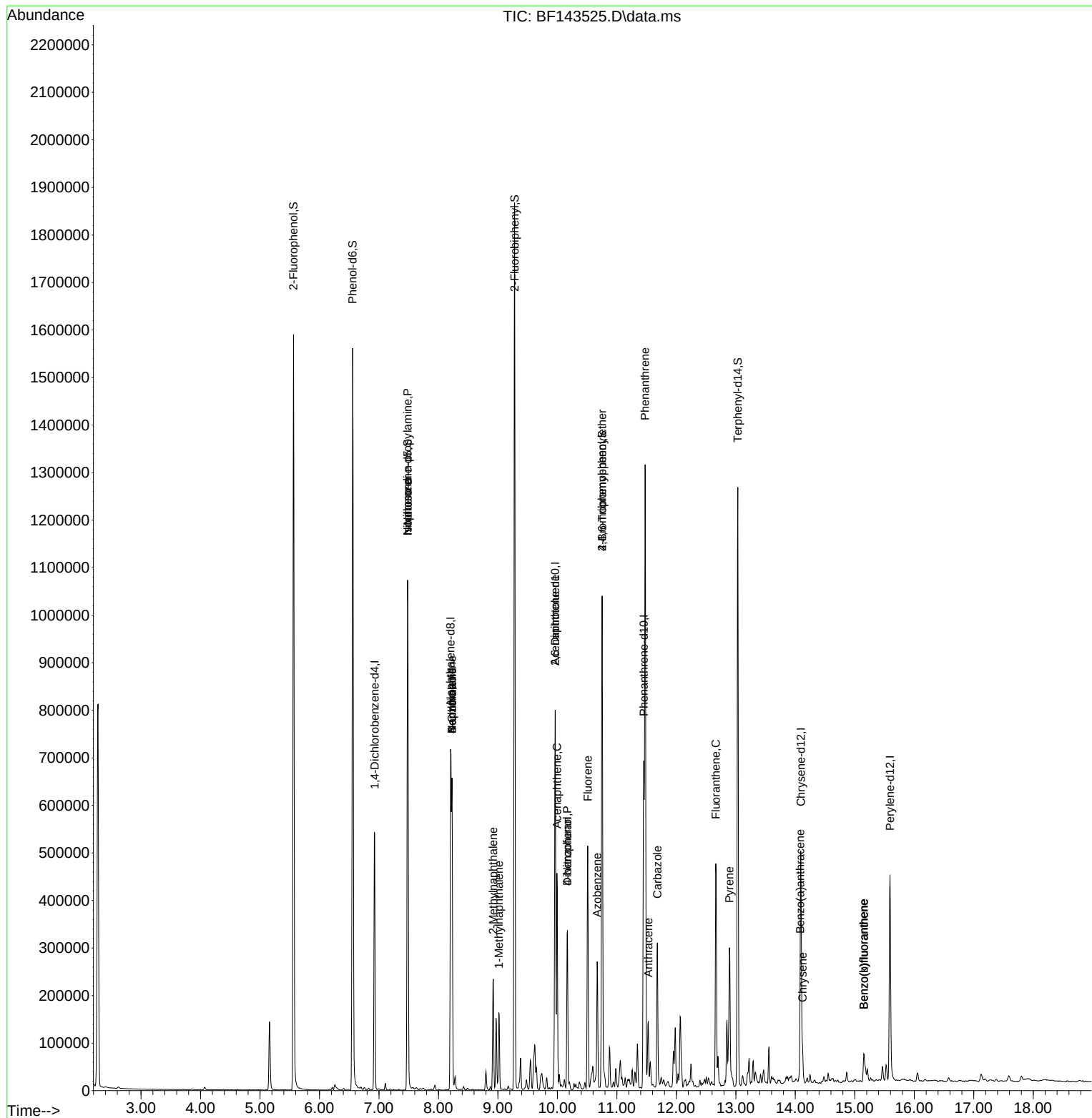
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	118931	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	449576	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	234828	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	338286	20.000	ng	0.00
76) Chrysene-d12	14.092	240	208452	20.000	ng	-0.01
86) Perylene-d12	15.592	264	261830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	578369	84.917	ng	0.00
7) Phenol-d6	6.557	99	727657	86.545	ng	-0.02
23) Nitrobenzene-d5	7.481	82	483867	62.806	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	169030	77.327	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	803836	56.572	ng	0.00
79) Terphenyl-d14	13.033	244	603175	50.494	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	65275	12.702	ng	# 78
25) Isophorone	7.481	82	469042	33.212	ng	# 65
31) Naphthalene	8.228	128	386191	17.892	ng	99
32) Benzoic acid	8.228	122	1016	5.783	ng	# 1
33) 4-Chloroaniline	8.228	127	49805	6.501	ng	# 31
37) 2-Methylnaphthalene	8.922	142	90622	6.286	ng	100
38) 1-Methylnaphthalene	9.016	142	59000	4.279	ng	99
51) 2,6-Dinitrotoluene	9.963	165	33349	11.377	ng	# 26
52) Acenaphthene	9.992	154	138694	10.909	ng	99
55) Dibenzofuran	10.169	168	189690	10.465	ng	99
56) 4-Nitrophenol	10.169	139	71352	37.861	ng	# 9
58) Fluorene	10.510	166	195333	14.001	ng	100
63) Azobenzene	10.669	77	51513	3.918	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	11269	2.792	ng	# 1
71) Phenanthrene	11.475	178	678352	37.445	ng	100
72) Anthracene	11.527	178	85798	4.675	ng	99
73) Carbazole	11.680	167	176236	11.720	ng	100
75) Fluoranthene	12.663	202	269271	16.565	ng	99
78) Pyrene	12.892	202	163978	9.563	ng	98
81) Benzo(a)anthracene	14.080	228	49325	3.675	ng	98
83) Chrysene	14.121	228	37243	3.088	ng	97
88) Benzo(b)fluoranthene	15.151	252	53932	3.706	ng	# 96
89) Benzo(k)fluoranthene	15.151	252	53932	3.870	ng	# 96

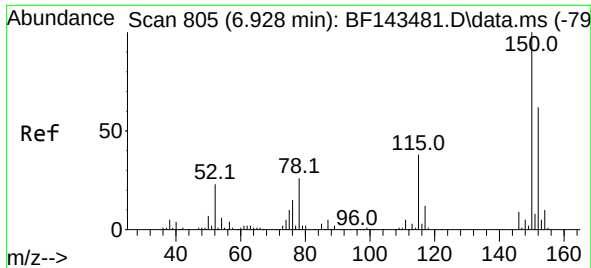
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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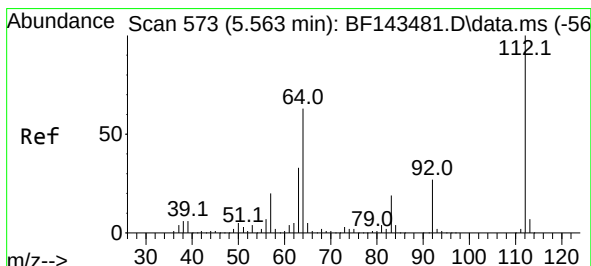
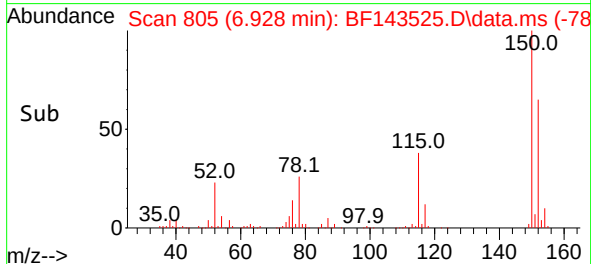
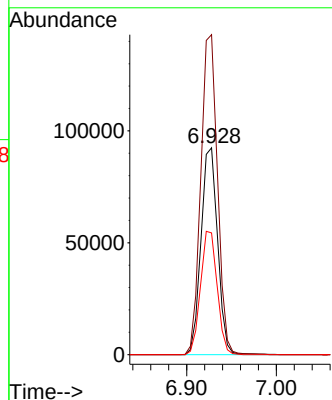
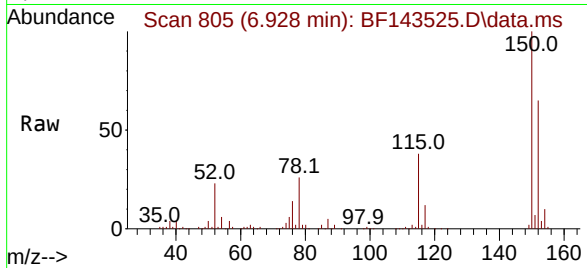




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143525.D
 Acq: 21 Aug 2025 12:46

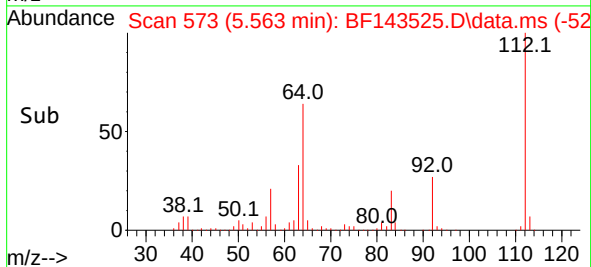
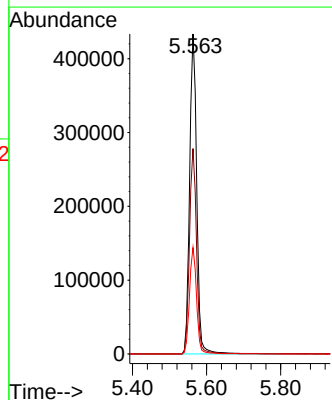
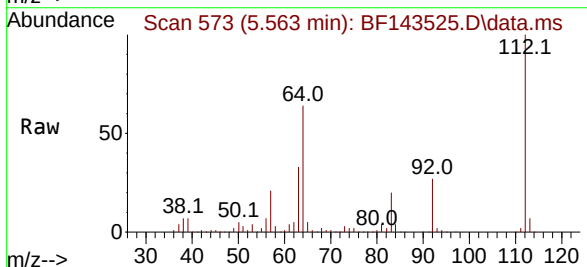
Instrument :
 BNA_F
 ClientSampleId :
 11M-N

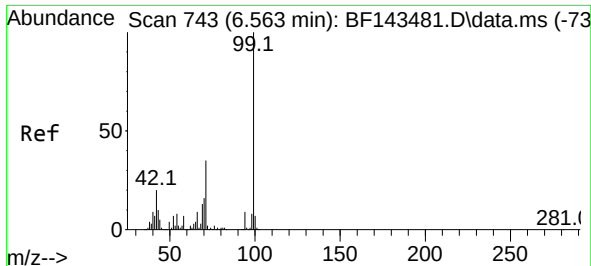
Tgt Ion:152 Resp: 118931
 Ion Ratio Lower Upper
 152 100
 150 154.7 128.9 193.3
 115 58.9 49.2 73.8



#5
 2-Fluorophenol
 Concen: 84.917 ng
 RT: 5.563 min Scan# 573
 Delta R.T. -0.000 min
 Lab File: BF143525.D
 Acq: 21 Aug 2025 12:46

Tgt Ion:112 Resp: 578369
 Ion Ratio Lower Upper
 112 100
 64 64.2 50.4 75.6
 63 33.2 26.4 39.6

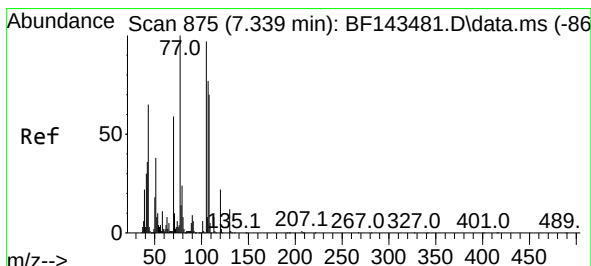
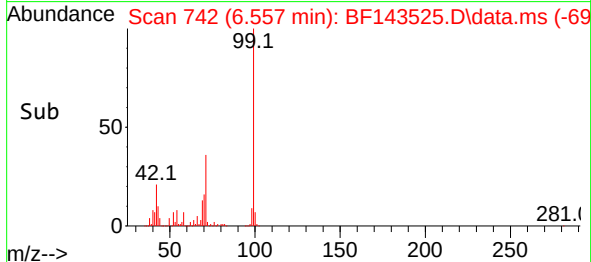
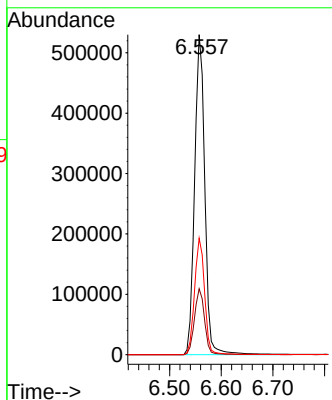
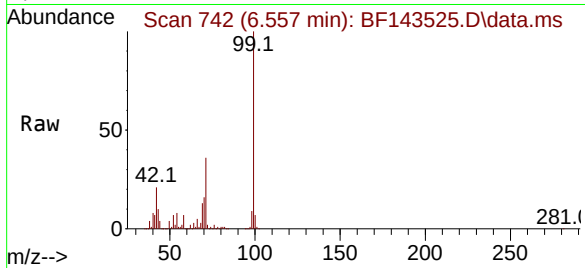




#7
Phenol-d6
Concen: 86.545 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

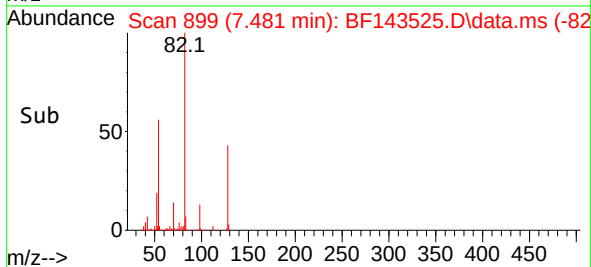
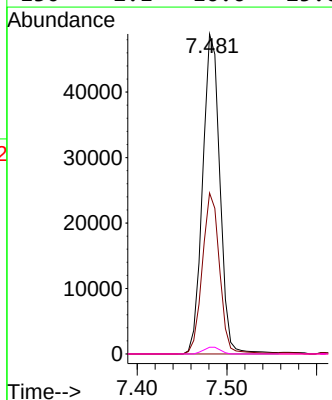
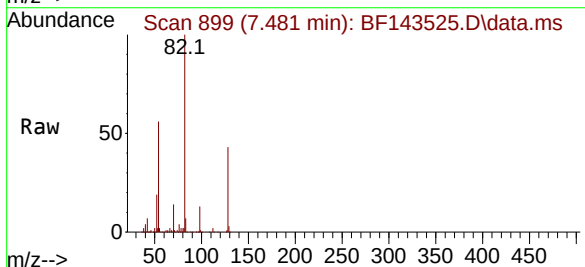
Instrument :
BNA_F
ClientSampleId :
11M-N

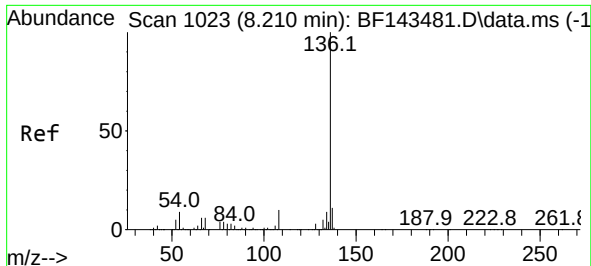
Tgt Ion: 99 Resp: 727657
Ion Ratio Lower Upper
99 100
42 20.6 16.3 24.5
71 36.4 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.702 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion: 70 Resp: 65275
Ion Ratio Lower Upper
70 100
42 50.3 49.3 73.9
101 0.0 7.8 11.8#
130 2.1 16.6 25.0#



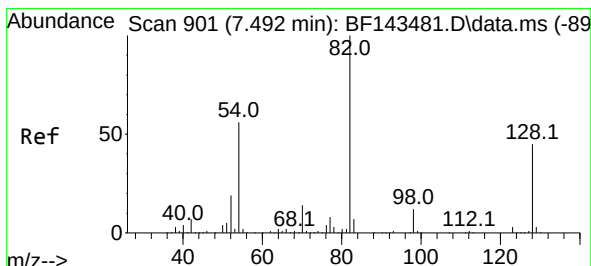
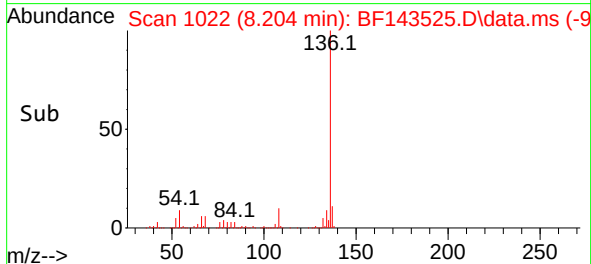
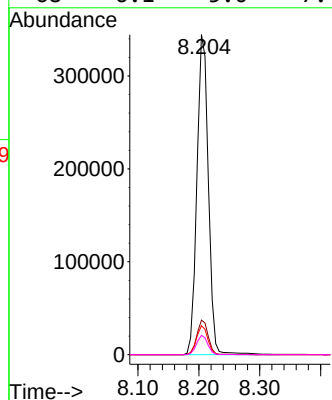
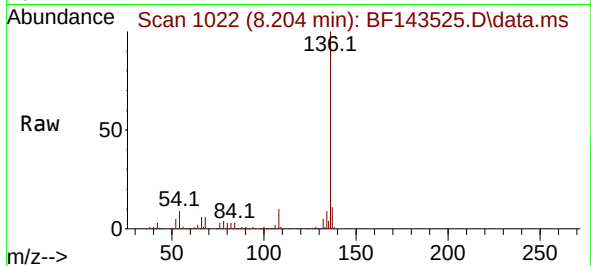


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Instrument :
BNA_F
ClientSampleId :
11M-N

Tgt Ion:136 Resp: 449576

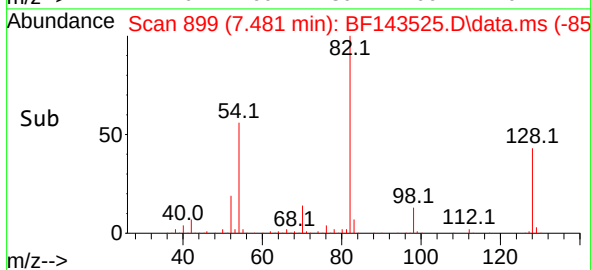
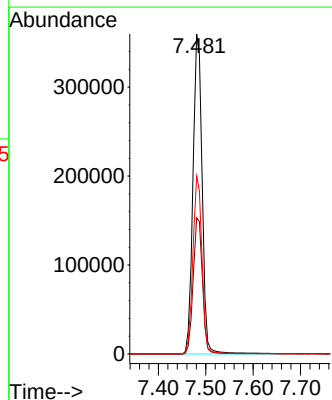
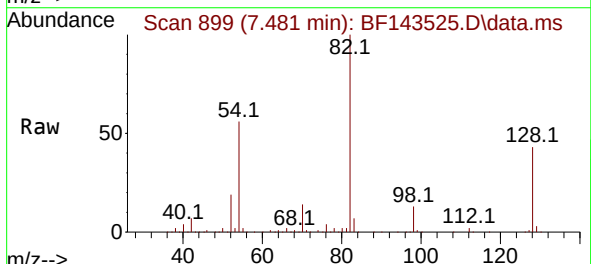
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	9.1	7.4	11.2
68	6.1	5.0	7.4

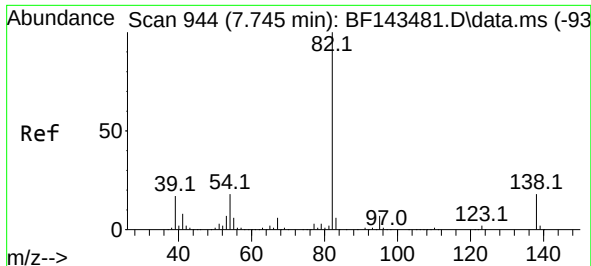


#23
Nitrobenzene-d5
Concen: 62.806 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion: 82 Resp: 483867

Ion	Ratio	Lower	Upper
82	100		
128	42.5	35.5	53.3
54	55.6	44.3	66.5

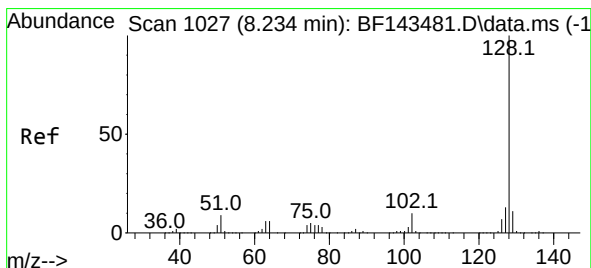
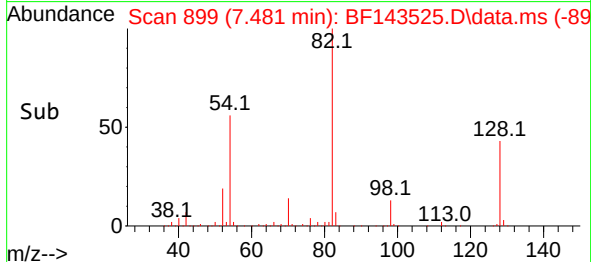
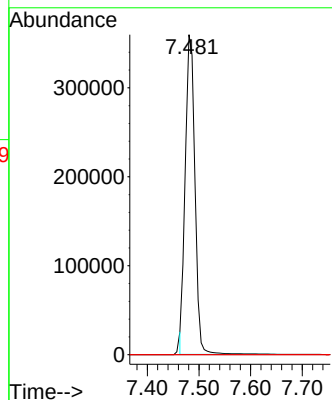
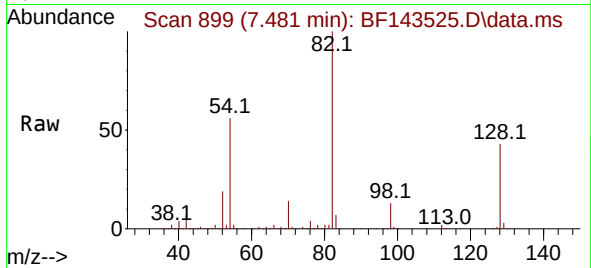




#25
Isophorone
Concen: 33.212 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.276 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

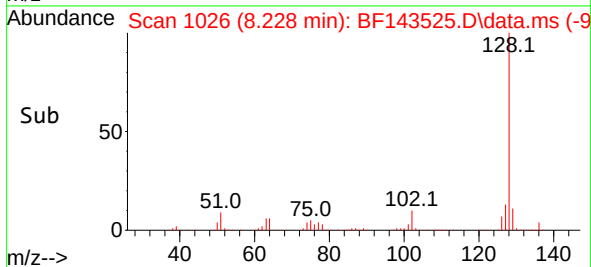
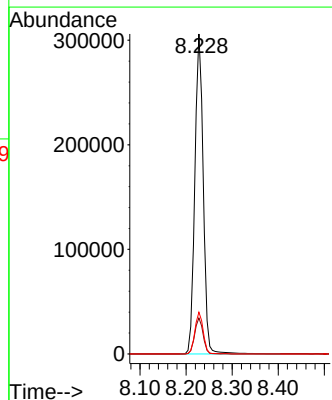
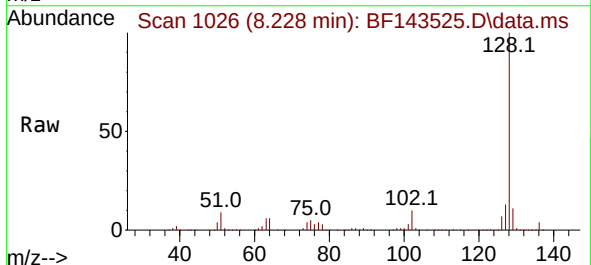
Instrument :
BNA_F
ClientSampleId :
11M-N

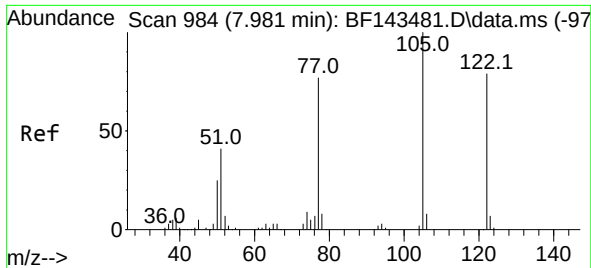
Tgt Ion: 82 Resp: 469042
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#31
Naphthalene
Concen: 17.892 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion: 128 Resp: 386191
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.1 10.6 16.0

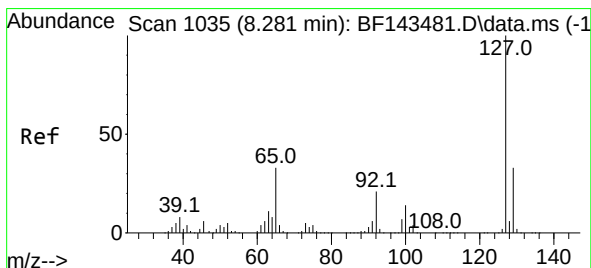
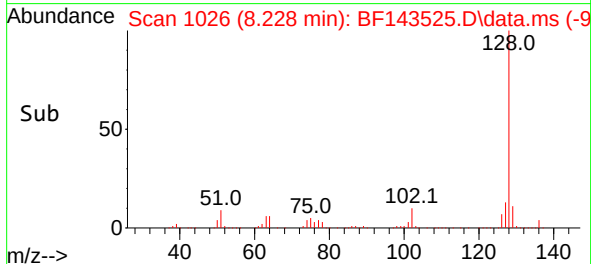
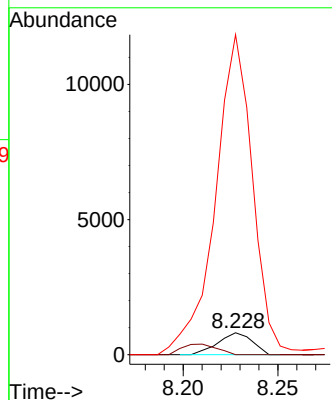
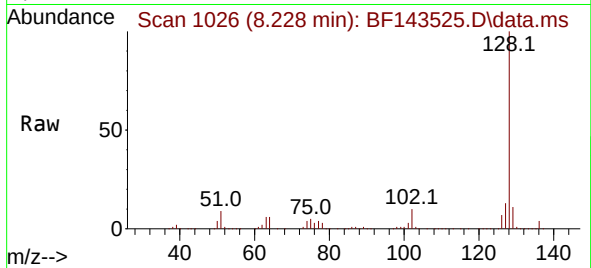




#32
Benzoic acid
Concen: 5.783 ng
RT: 8.228 min Scan# 1026
Delta R.T. 0.218 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

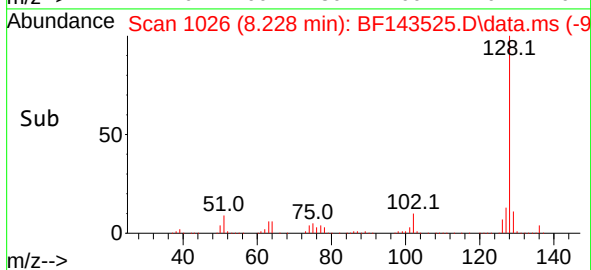
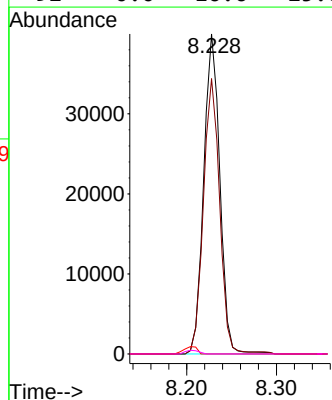
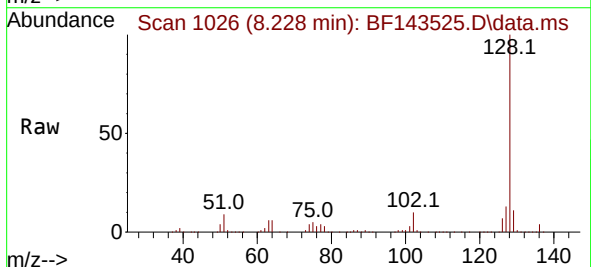
Instrument :
BNA_F
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11M-N

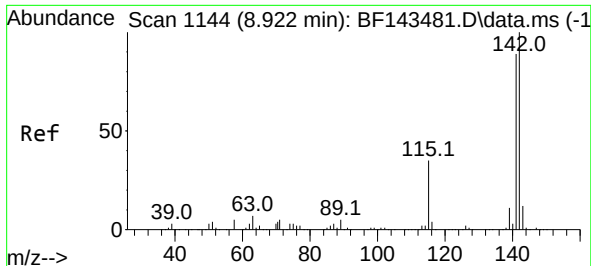
Tgt Ion:122 Resp: 1016
Ion Ratio Lower Upper
122 100
105 0.0 104.7 144.7#
77 1461.9 77.3 117.3#



#33
4-Chloroaniline
Concen: 6.501 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.053 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion:127 Resp: 49805
Ion Ratio Lower Upper
127 100
129 86.1 26.1 39.1#
65 0.0 26.2 39.2#
92 0.0 16.6 25.0#

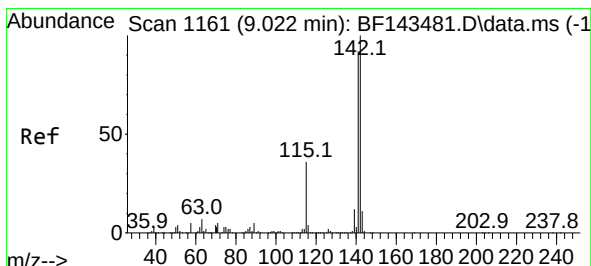
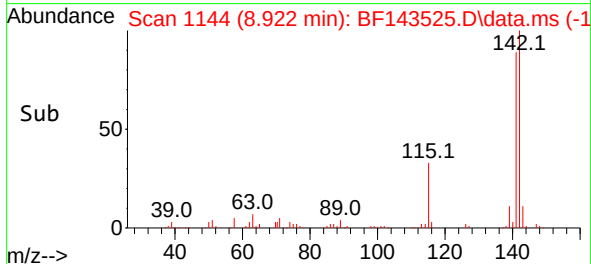
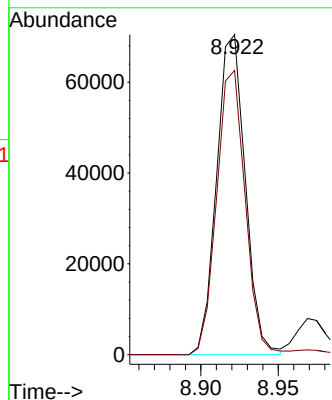
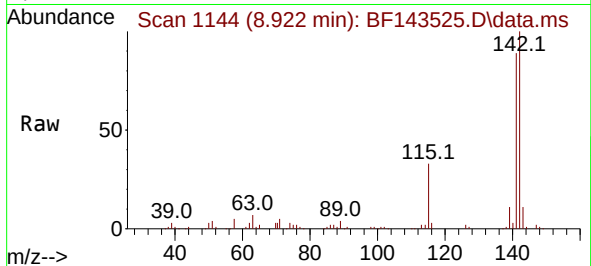




#37
2-Methylnaphthalene
Concen: 6.286 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

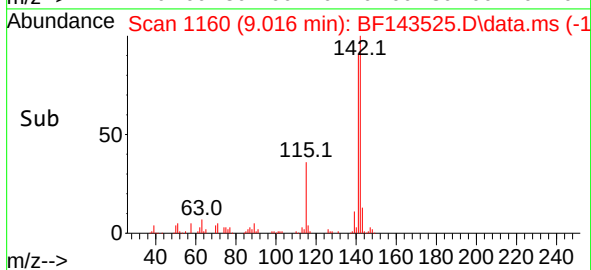
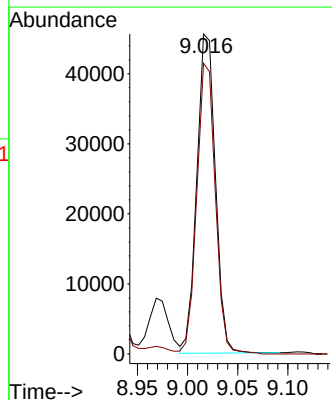
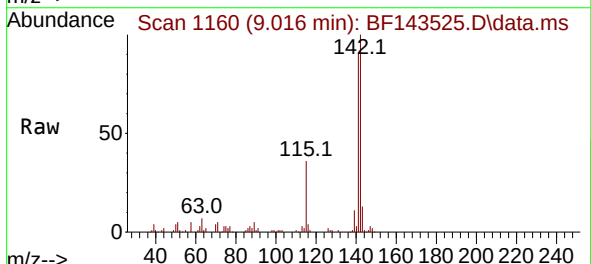
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11M-N

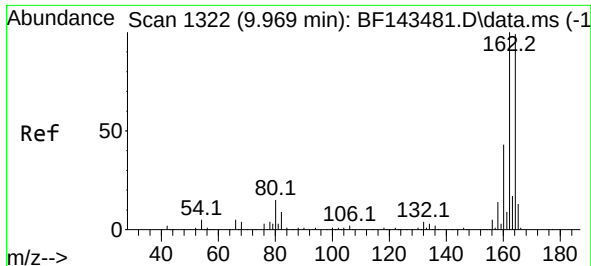
Tgt Ion:142 Resp: 90622
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.4



#38
1-Methylnaphthalene
Concen: 4.279 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion:142 Resp: 59000
Ion Ratio Lower Upper
142 100
141 90.8 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

Instrument :

BNA_F

ClientSampleId :

11M-N

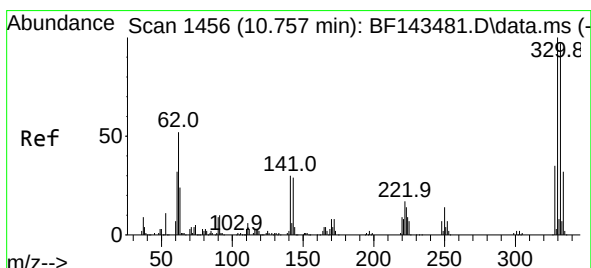
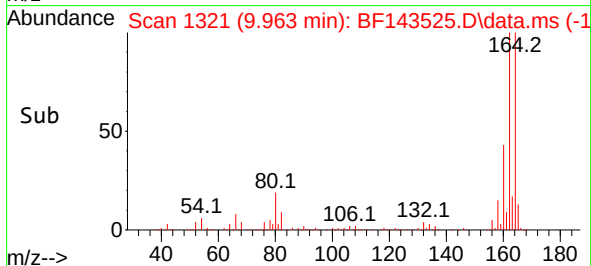
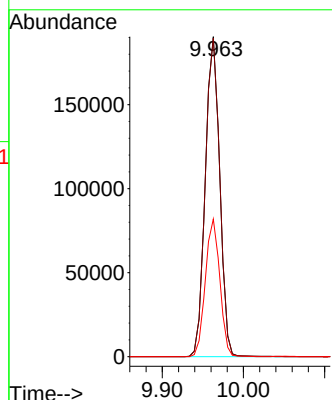
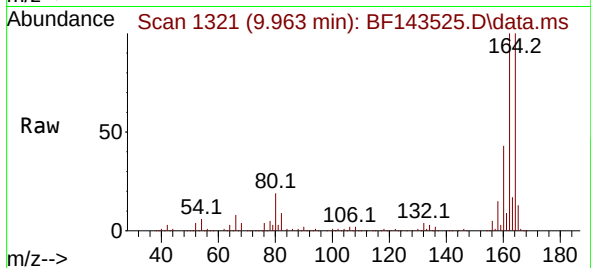
Tgt Ion:164 Resp: 234828

Ion Ratio Lower Upper

164 100

162 99.5 80.5 120.7

160 43.0 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 77.327 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

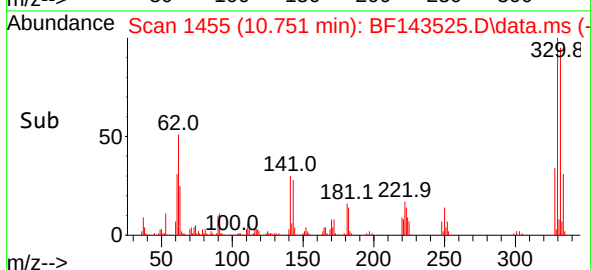
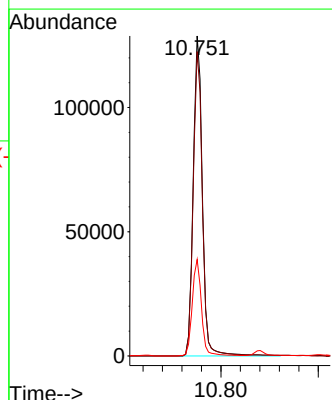
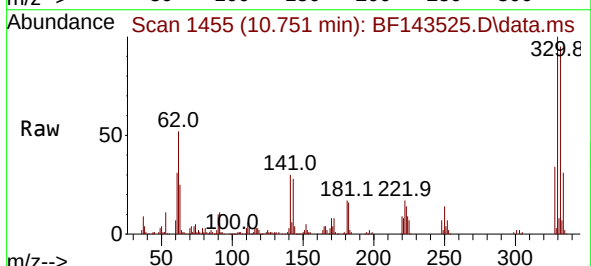
Tgt Ion:330 Resp: 169030

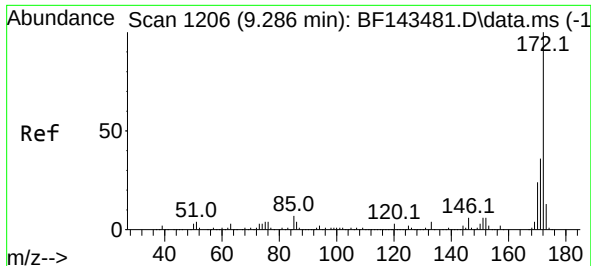
Ion Ratio Lower Upper

330 100

332 95.5 78.0 117.0

141 30.4 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 56.572 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

Instrument :

BNA_F

ClientSampleId :

11M-N

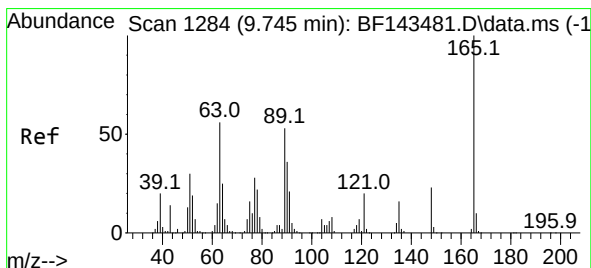
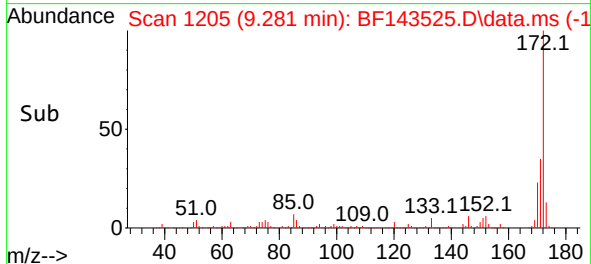
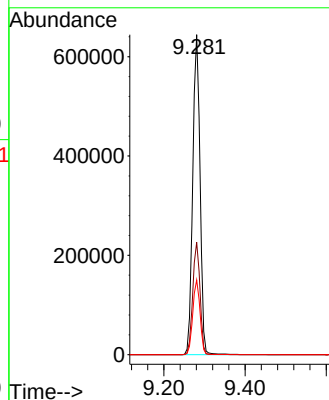
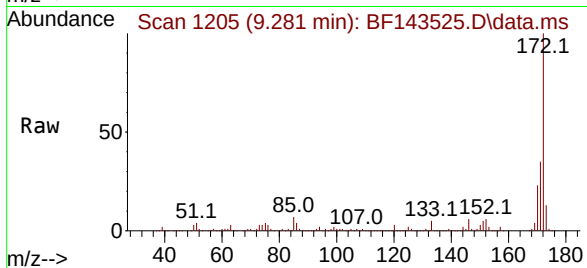
Tgt Ion:172 Resp: 803836

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 11.377 ng

RT: 9.963 min Scan# 1321

Delta R.T. 0.212 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

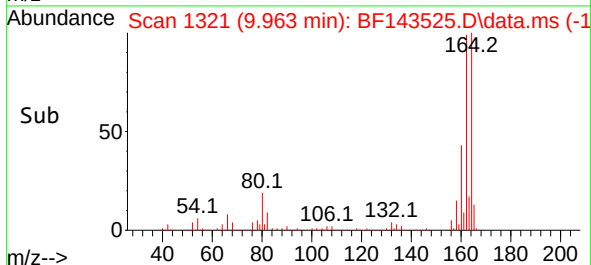
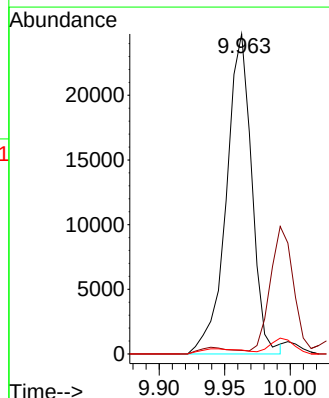
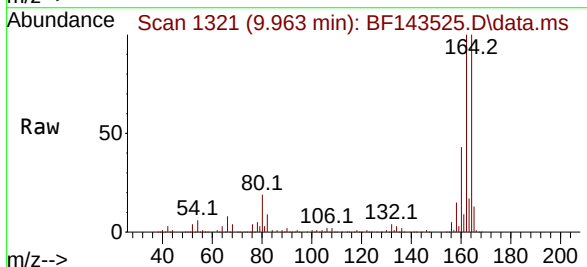
Tgt Ion:165 Resp: 33349

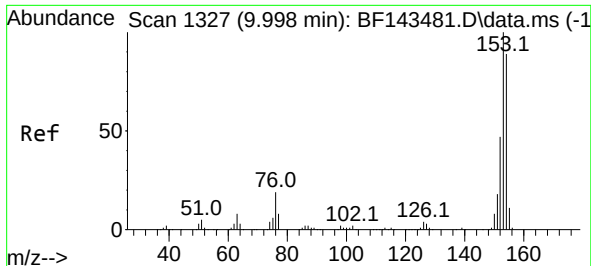
Ion Ratio Lower Upper

165 100

63 1.1 45.0 67.6#

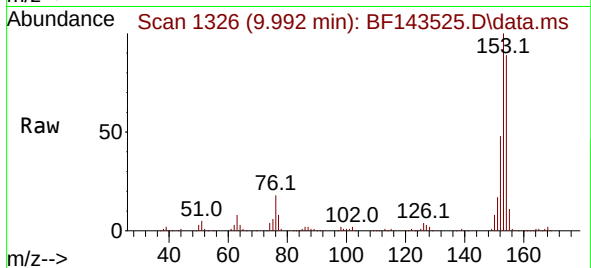
89 1.2 42.5 63.7#



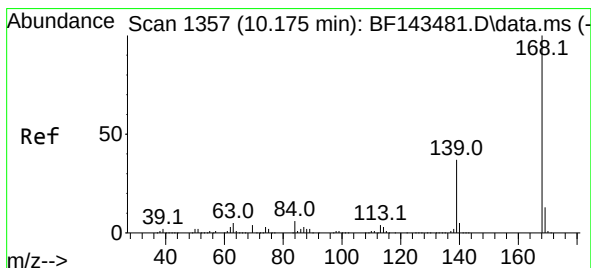
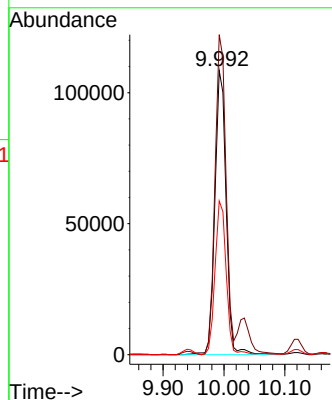
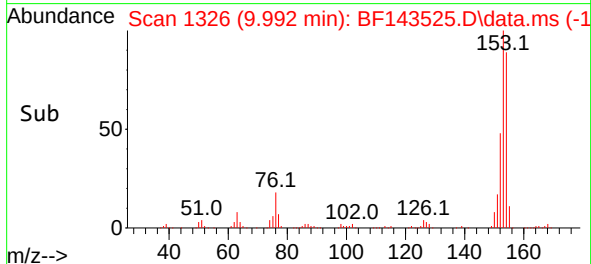


#52
Acenaphthene
Concen: 10.909 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

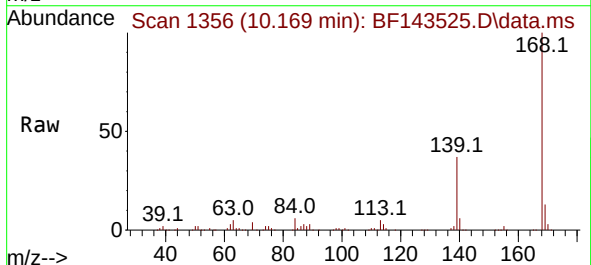
Instrument :
BNA_F
ClientSampleId :
11M-N



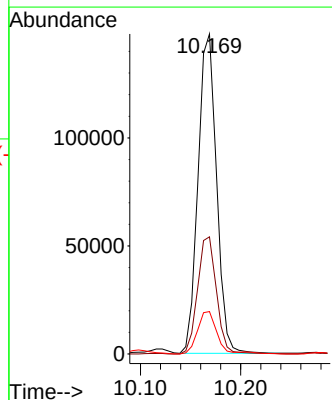
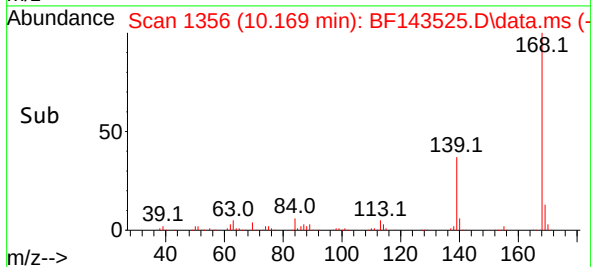
Tgt Ion:154 Resp: 138694
Ion Ratio Lower Upper
154 100
153 112.6 89.5 134.3
152 54.1 42.5 63.7

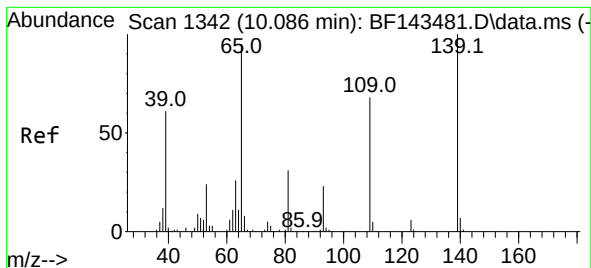


#55
Dibenzofuran
Concen: 10.465 ng
RT: 10.169 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46



Tgt Ion:168 Resp: 189690
Ion Ratio Lower Upper
168 100
139 36.6 29.8 44.6
169 13.3 10.8 16.2

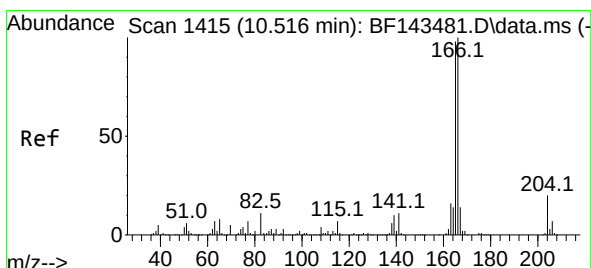
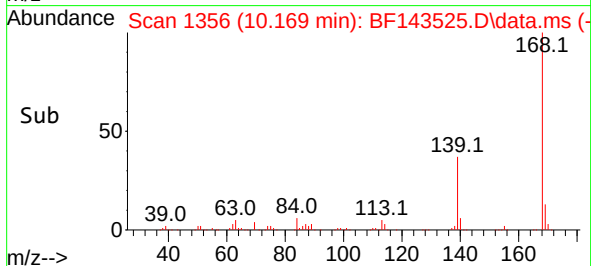
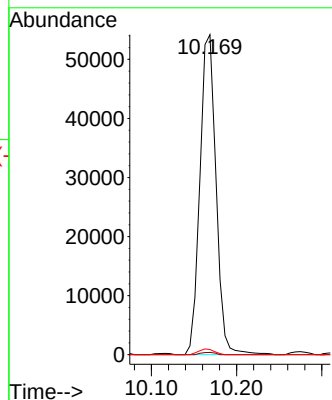
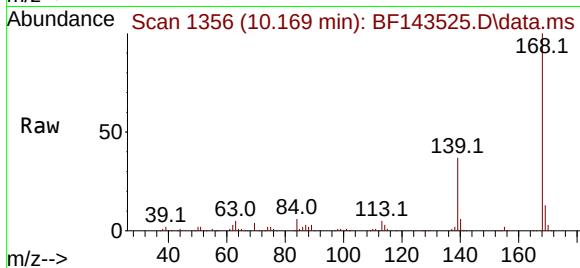




#56
4-Nitrophenol
Concen: 37.861 ng
RT: 10.169 min Scan# 11
Delta R.T. 0.083 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

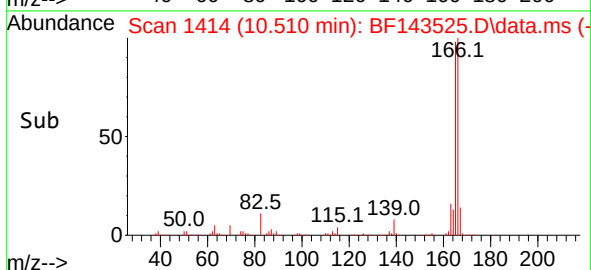
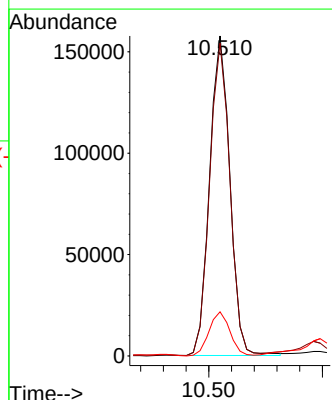
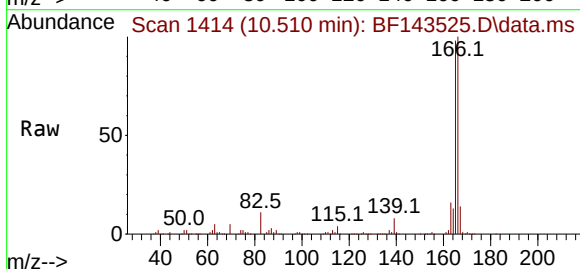
Instrument :
BNA_F
ClientSampleId :
11M-N

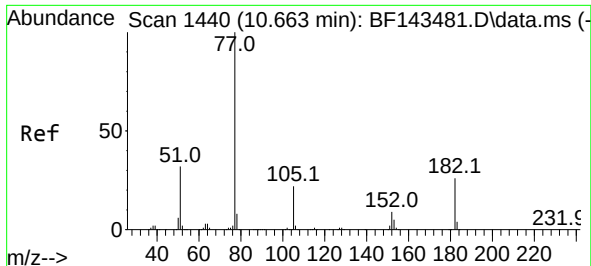
Tgt Ion:139 Resp: 71352
Ion Ratio Lower Upper
139 100
109 0.7 48.2 88.2#
65 1.6 75.8 115.8#



#58
Fluorene
Concen: 14.001 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion:166 Resp: 195333
Ion Ratio Lower Upper
166 100
165 97.7 78.3 117.5
167 13.8 11.0 16.4

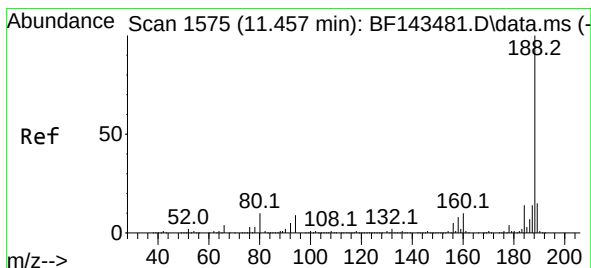
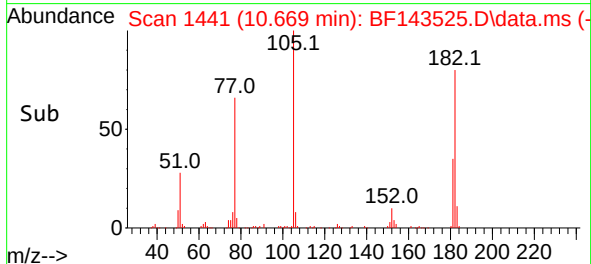
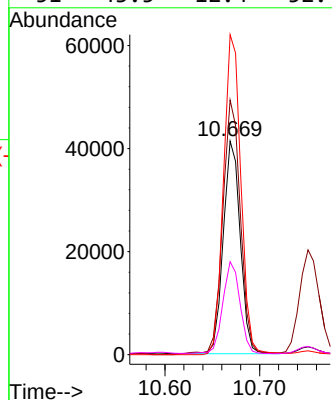
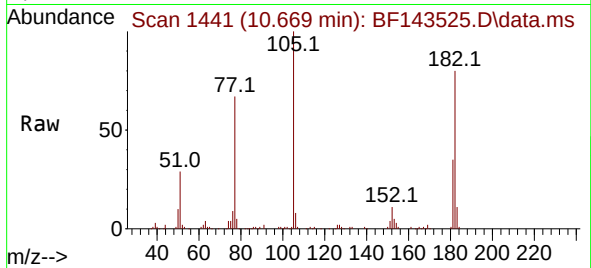




#63
Azobenzene
Concen: 3.918 ng
RT: 10.669 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

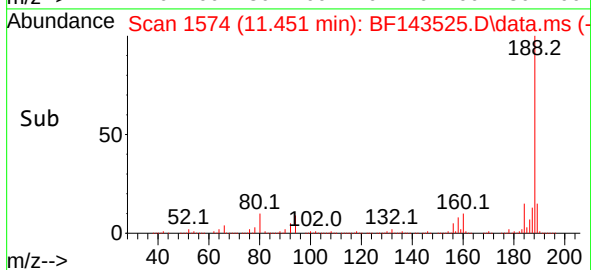
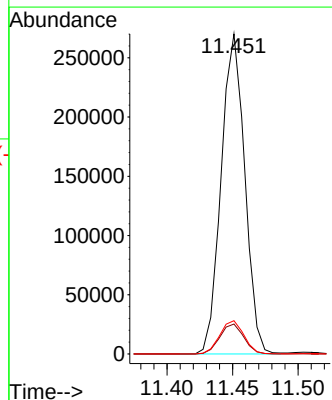
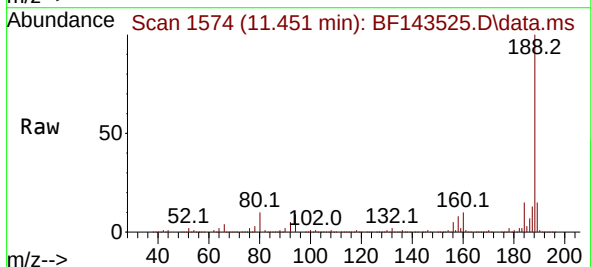
Instrument :
BNA_F
ClientSampleId :
11M-N

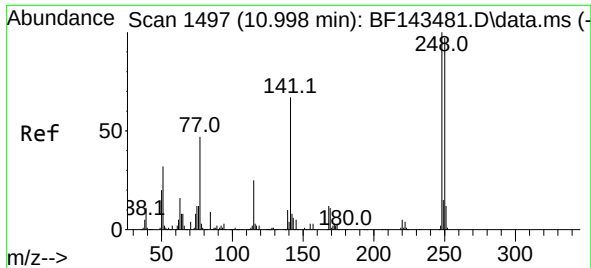
Tgt Ion: 77	Resp: 51513
Ion Ratio	Lower Upper
77 100	
182 119.3	6.2 46.2#
105 149.8	2.2 42.2#
51 43.5	12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion:188	Resp: 338286		
Ion Ratio	Lower	Upper	
188 100			
94 9.3	7.4	11.2	
80 10.4	8.2	12.4	

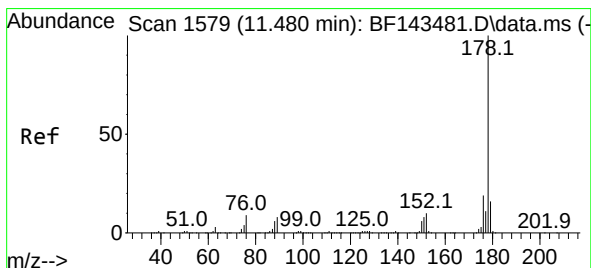
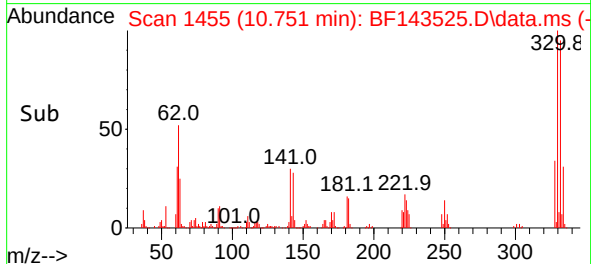
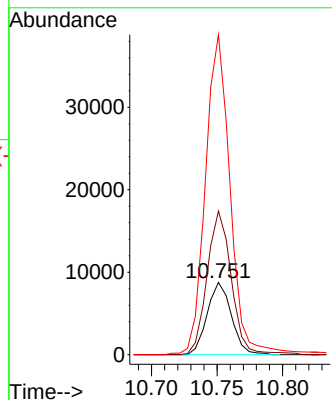
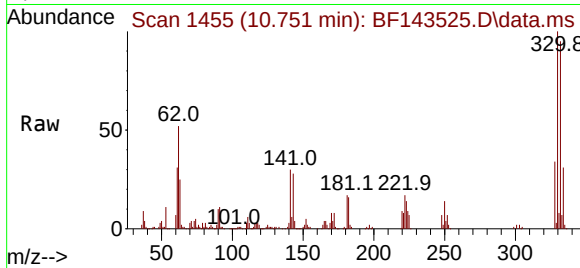




#67
4-Bromophenyl-phenylether
Concen: 2.792 ng
RT: 10.751 min Scan# 1497
Delta R.T. -0.247 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

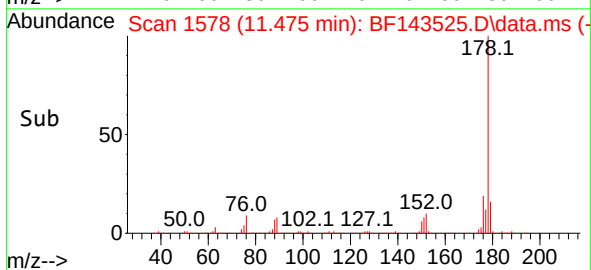
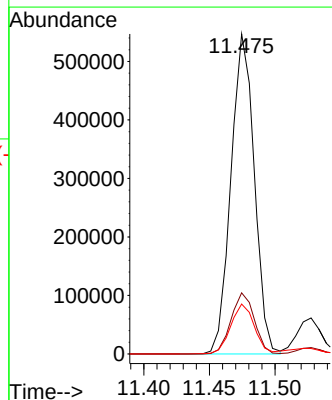
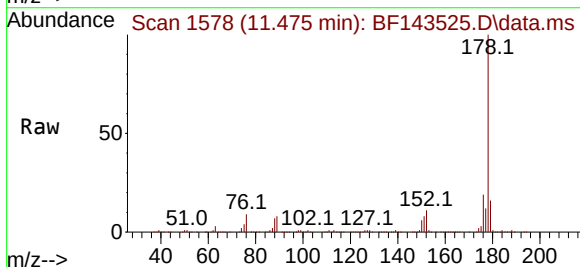
Instrument :
BNA_F
ClientSampleId :
11M-N

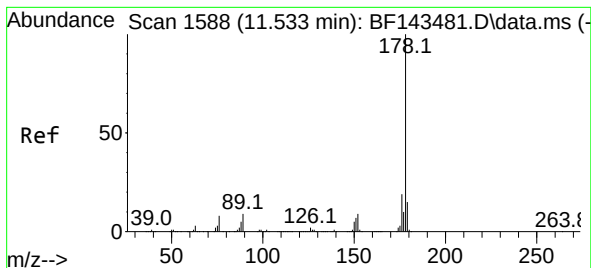
Tgt Ion:248 Resp: 11269
Ion Ratio Lower Upper
248 100
250 198.7 77.8 116.8#
141 442.8 54.0 81.0#



#71
Phenanthrene
Concen: 37.445 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion:178 Resp: 678352
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.6 12.5 18.7





#72

Anthracene

Concen: 4.675 ng

RT: 11.527 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

Instrument :

BNA_F

ClientSampleId :

11M-N

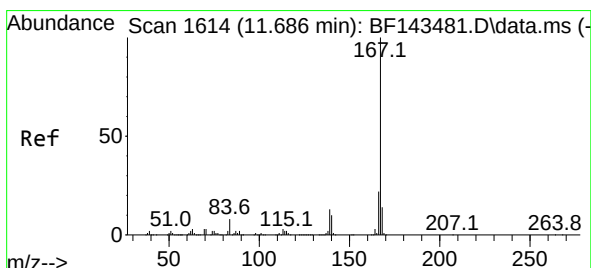
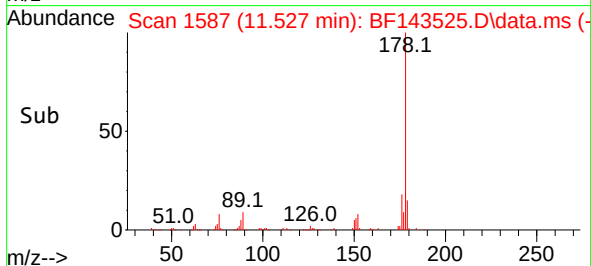
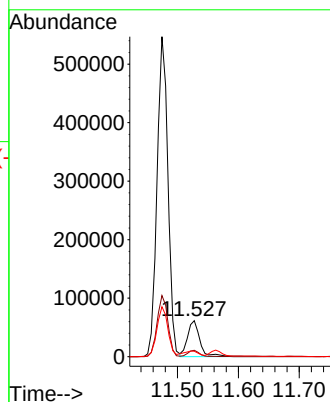
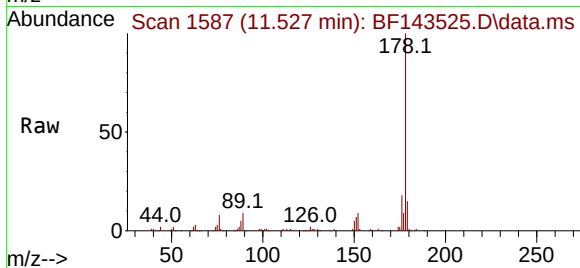
Tgt Ion:178 Resp: 85798

Ion Ratio Lower Upper

178 100

176 17.7 15.0 22.4

179 15.4 12.3 18.5



#73

Carbazole

Concen: 11.720 ng

RT: 11.680 min Scan# 1613

Delta R.T. -0.006 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

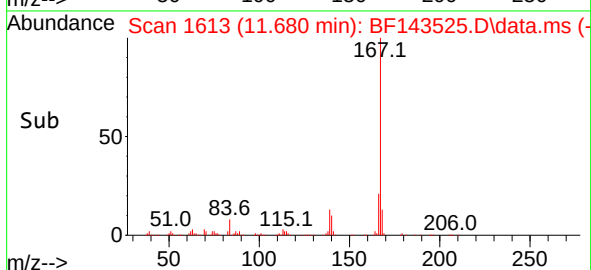
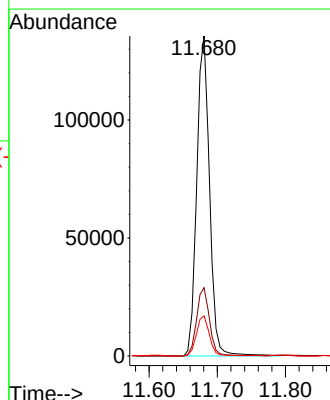
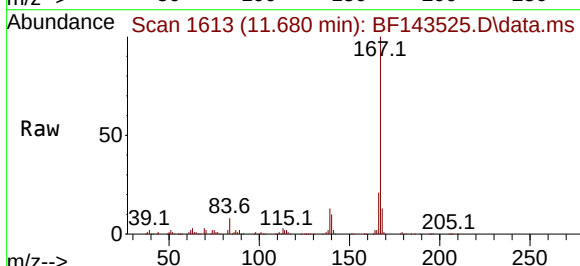
Tgt Ion:167 Resp: 176236

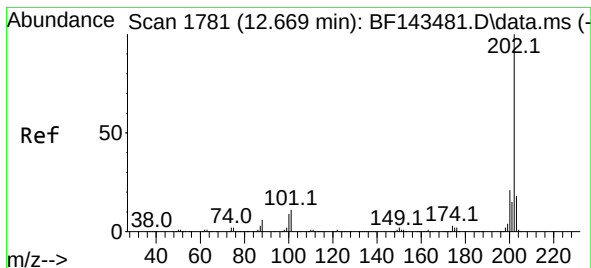
Ion Ratio Lower Upper

167 100

166 21.3 17.3 25.9

139 12.5 10.0 15.0





#75

Fluoranthene

Concen: 16.565 ng

RT: 12.663 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

Instrument :

BNA_F

ClientSampleId :

11M-N

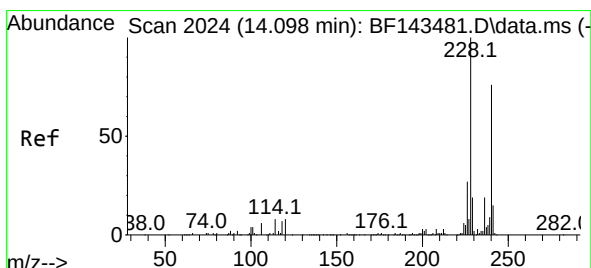
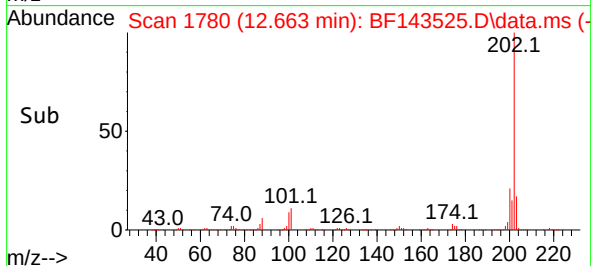
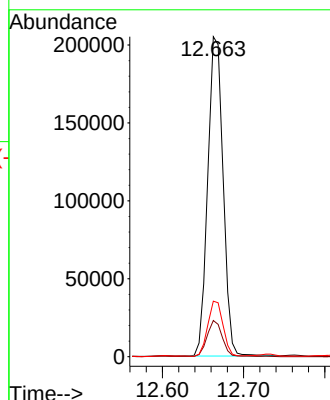
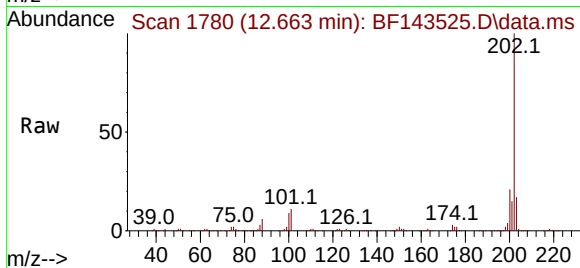
Tgt Ion:202 Resp: 269271

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

203 17.3 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: BF143525.D

Acq: 21 Aug 2025 12:46

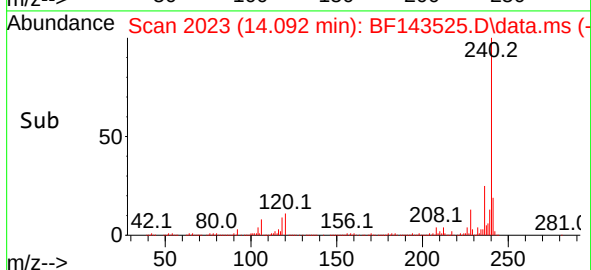
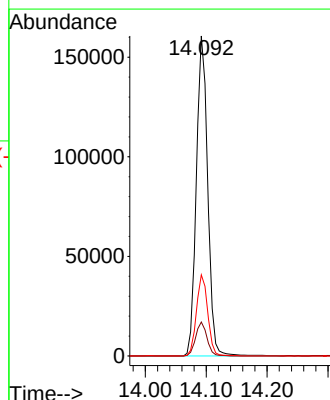
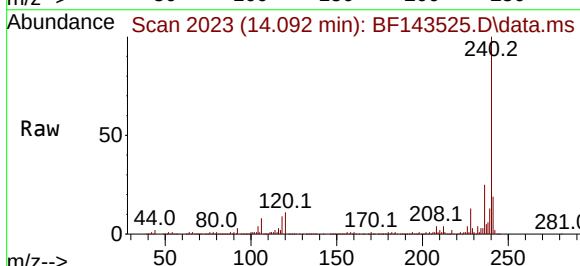
Tgt Ion:240 Resp: 208452

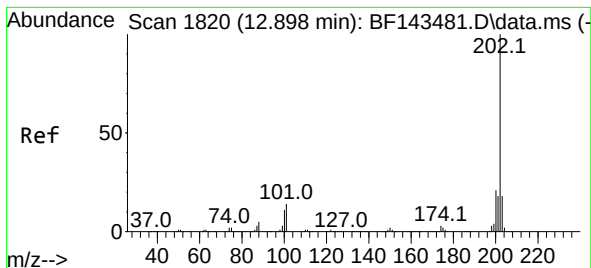
Ion Ratio Lower Upper

240 100

120 10.6 8.6 12.8

236 25.4 20.4 30.6





#78

Pyrene

Concen: 9.563 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.012 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

Instrument :

BNA_F

ClientSampleId :

11M-N

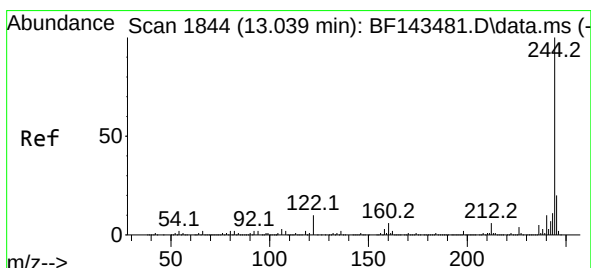
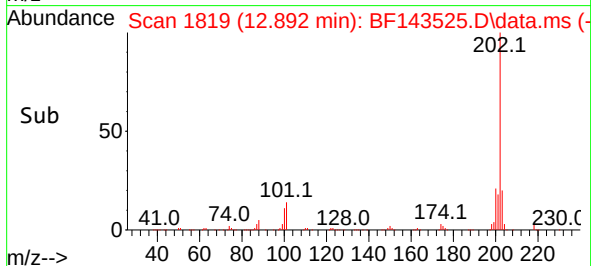
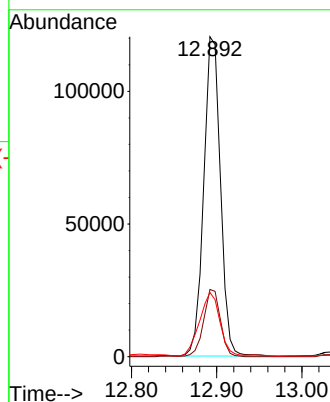
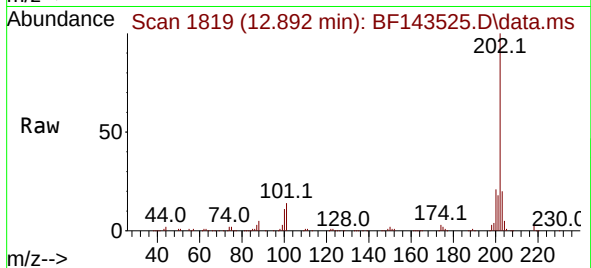
Tgt Ion:202 Resp: 163978

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 20.0 14.3 21.5



#79

Terphenyl-d14

Concen: 50.494 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

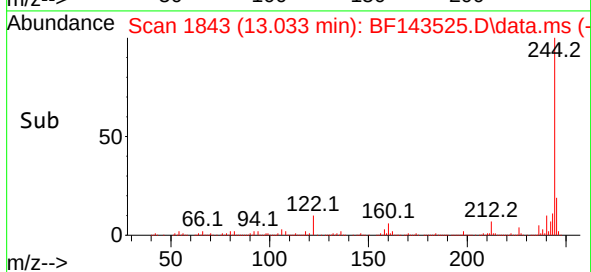
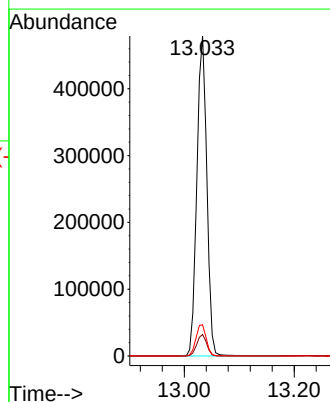
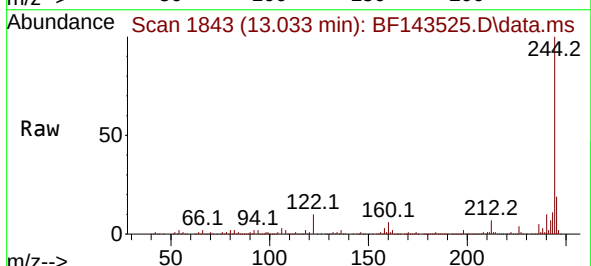
Tgt Ion:244 Resp: 603175

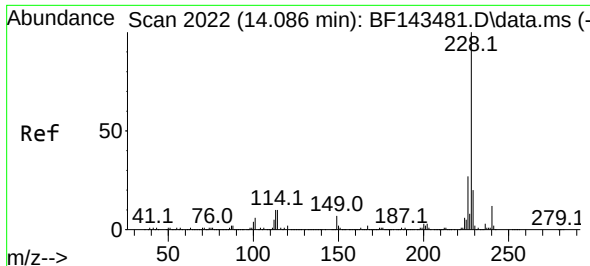
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 9.7 7.9 11.9

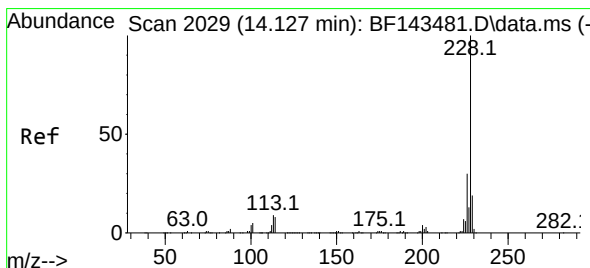
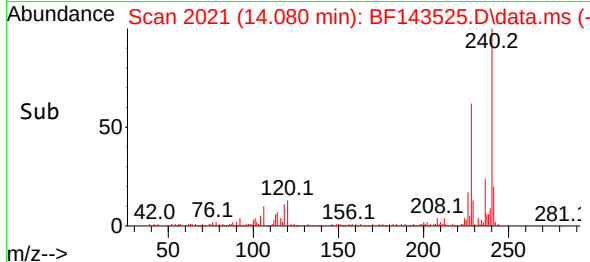
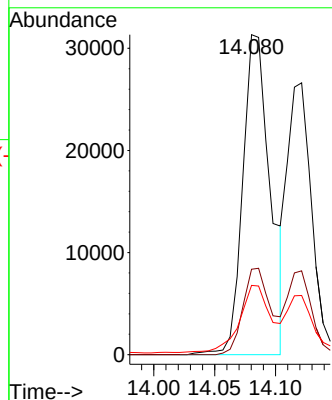
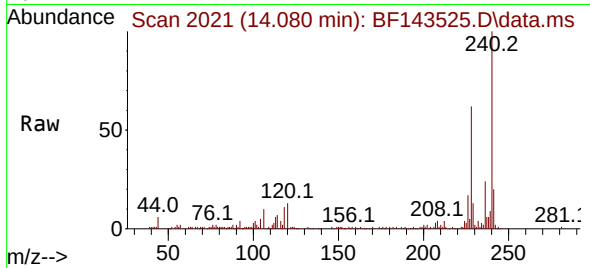




#81
Benzo(a)anthracene
Concen: 3.675 ng
RT: 14.080 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

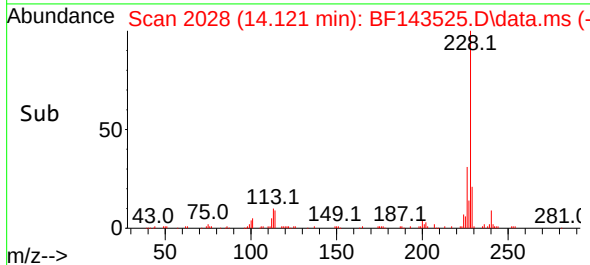
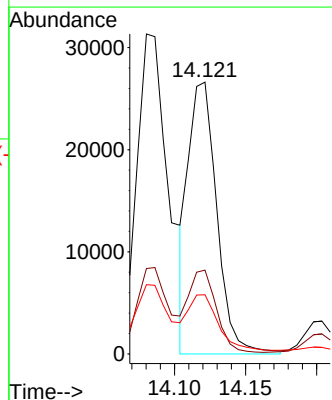
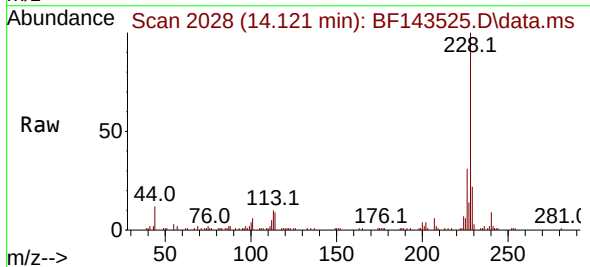
Instrument :
BNA_F
ClientSampleId :
11M-N

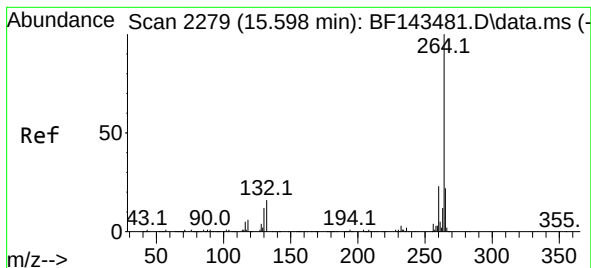
Tgt Ion:228 Resp: 49325
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 21.6 15.7 23.5



#83
Chrysene
Concen: 3.088 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143525.D
Acq: 21 Aug 2025 12:46

Tgt Ion:228 Resp: 37243
Ion Ratio Lower Upper
228 100
226 30.8 23.7 35.5
229 21.8 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: BF143525.D

Acq: 21 Aug 2025 12:46

Instrument :

BNA_F

ClientSampleId :

11M-N

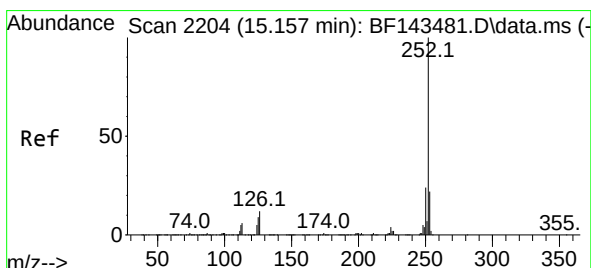
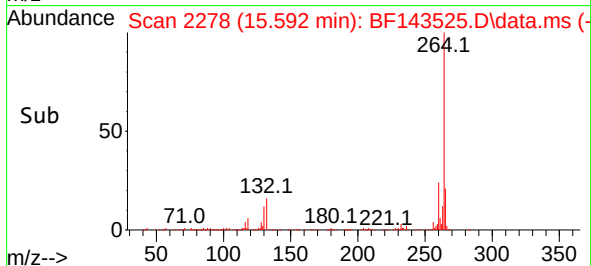
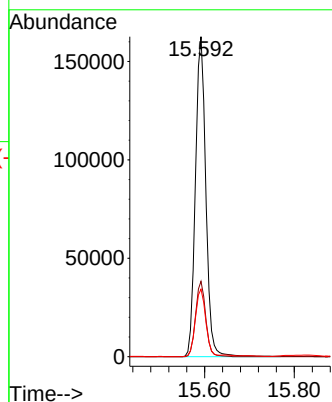
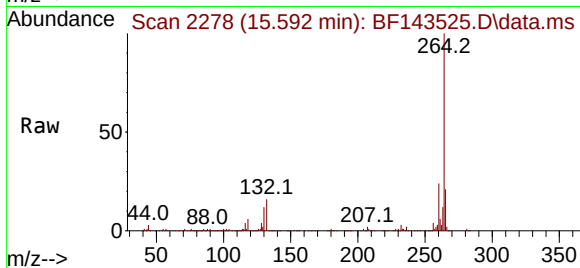
Tgt Ion:264 Resp: 261830

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.1 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 3.706 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF143525.D

Acq: 21 Aug 2025 12:46

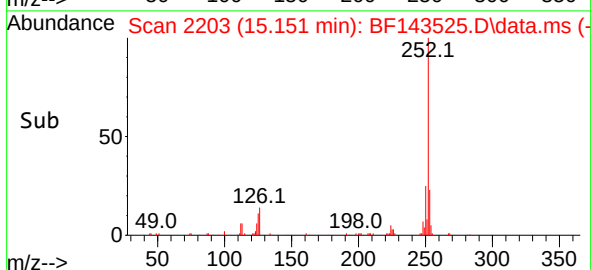
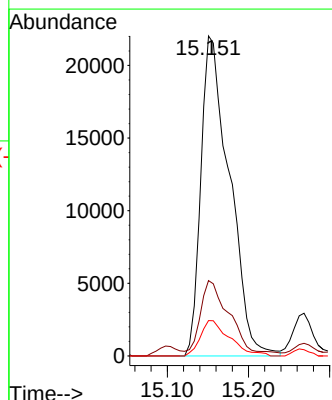
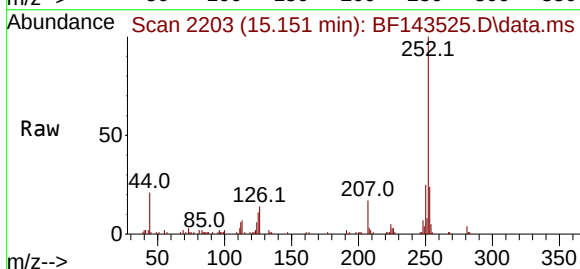
Tgt Ion:252 Resp: 53932

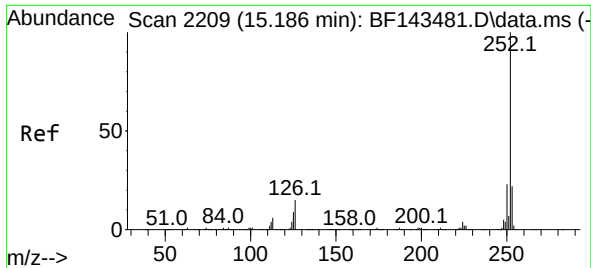
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 11.0 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.870 ng

RT: 15.151 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF143525.D

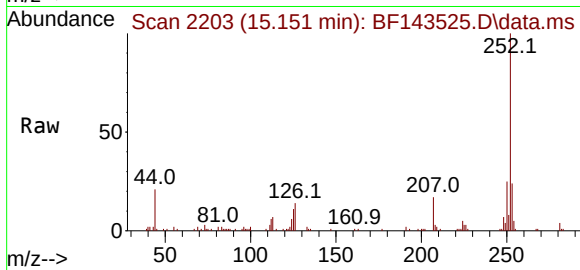
Acq: 21 Aug 2025 12:46

Instrument :

BNA_F

ClientSampleId :

11M-N



Tgt Ion:252 Resp: 53932

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 11.0 7.4 11.0#

