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 Data File : BF141853.D
 Acq On : 05 Mar 2025 19:50
 Operator : RC/JU
 Sample : Q1486-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-40

Quant Time: Mar 06 00:15:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

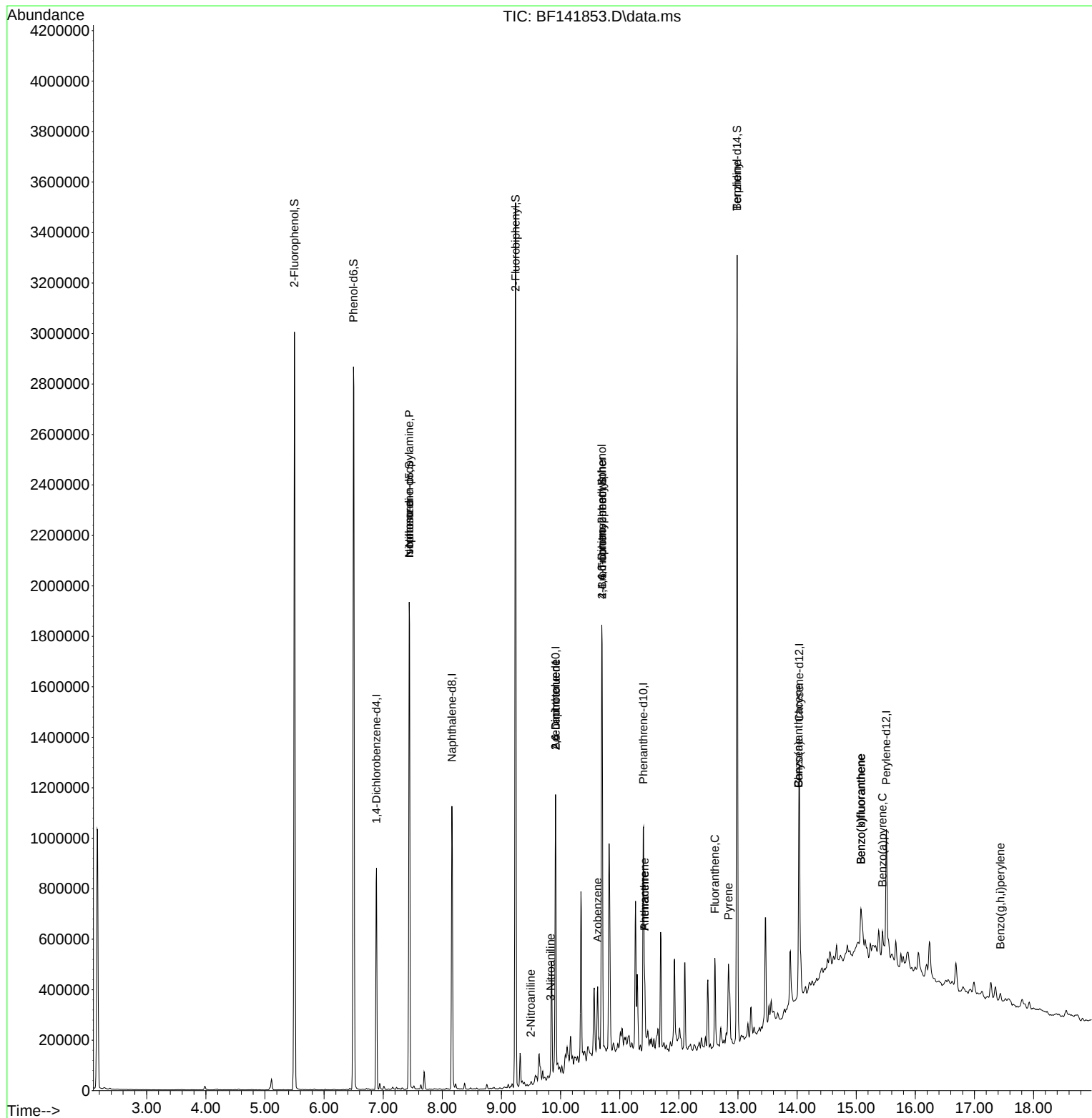
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	180762	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	682928	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	314183	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	451809	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	397290	20.000	ng	-0.01
86) Perylene-d12	15.509	264	284064	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1121033	99.040	ng	0.00
7) Phenol-d6	6.498	99	1386282	94.096	ng	-0.01
23) Nitrobenzene-d5	7.439	82	867295	81.176	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	276726	93.818	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1523760	77.766	ng	0.00
79) Terphenyl-d14	12.986	244	1474064	60.030	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	119094	12.297	ng	# 78
25) Isophorone	7.439	82	863458	37.618	ng	# 66
48) 2-Nitroaniline	9.498	65	360	4.407	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	41390	12.506	ng	# 22
53) 3-Nitroaniline	9.833	138	176	3.005	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	41390	11.326	ng	# 21
63) Azobenzene	10.627	77	57877	2.606	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.698	198	956	8.499	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	18866	3.575	ng	# 1
71) Phenanthrene	11.422	178	140572	5.817	ng	98
72) Anthracene	11.422	178	140572	5.804	ng	99
75) Fluoranthene	12.610	202	200901	8.113	ng	98
77) Benzidine	12.986	184	21054	4.210	ng	# 91
78) Pyrene	12.839	202	178997	5.203	ng	97
81) Benzo(a)anthracene	14.027	228	103982	3.962	ng	97
83) Chrysene	14.027	228	104158	4.306	ng	96
88) Benzo(b)fluoranthene	15.080	252	107793	5.571	ng	# 84
89) Benzo(k)fluoranthene	15.080	252	107793	6.554	ng	# 85
90) Benzo(a)pyrene	15.445	252	58346	3.760	ng	# 89
92) Benzo(g,h,i)perylene	17.439	276	31297	2.069	ng	92

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

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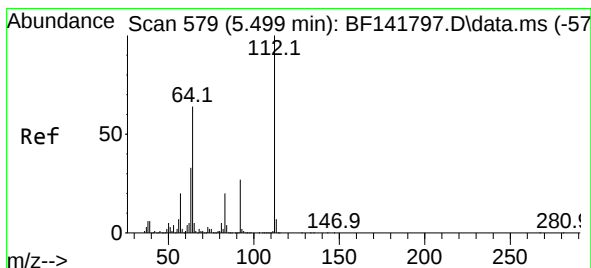
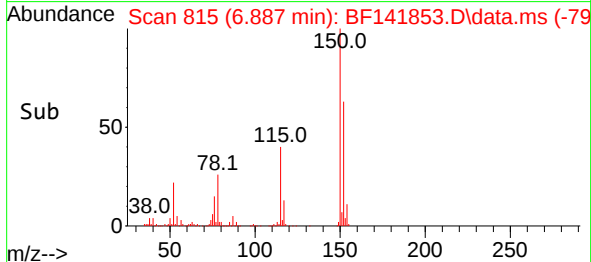
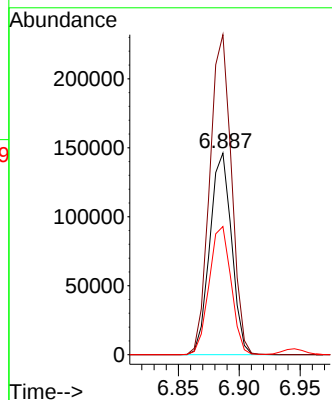
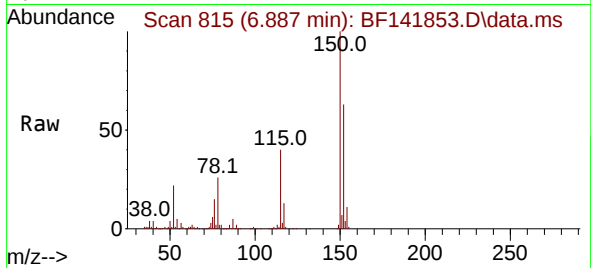




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141853.D
 Acq: 05 Mar 2025 19:50

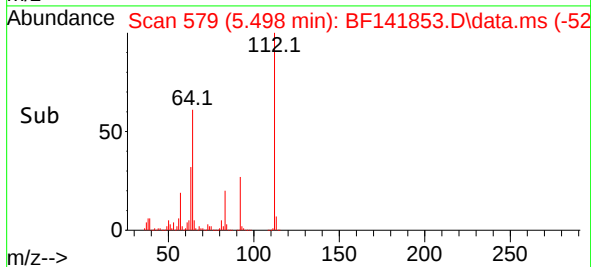
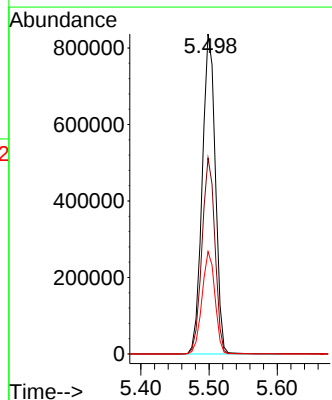
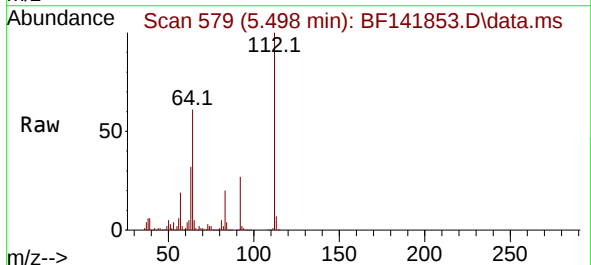
Instrument :
 BNA_F
 ClientSampleId :
 DN-B-40

Tgt Ion:152 Resp: 180762
 Ion Ratio Lower Upper
 152 100
 150 158.7 127.5 191.3
 115 63.6 51.4 77.2



#5
 2-Fluorophenol
 Concen: 99.040 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141853.D
 Acq: 05 Mar 2025 19:50

Tgt Ion:112 Resp: 1121033
 Ion Ratio Lower Upper
 112 100
 64 61.3 51.3 76.9
 63 32.0 26.2 39.4

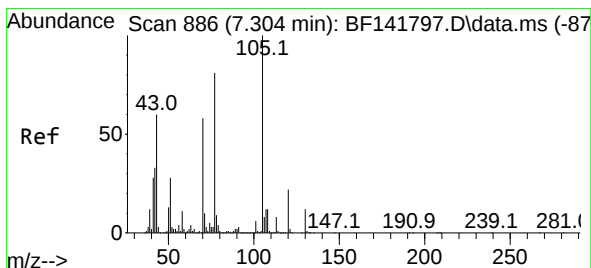
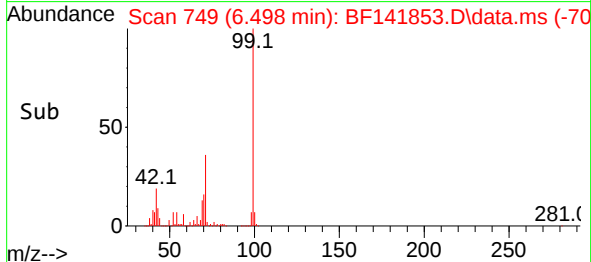
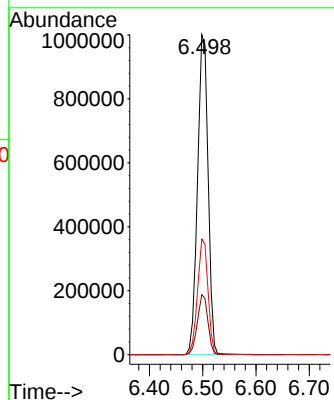
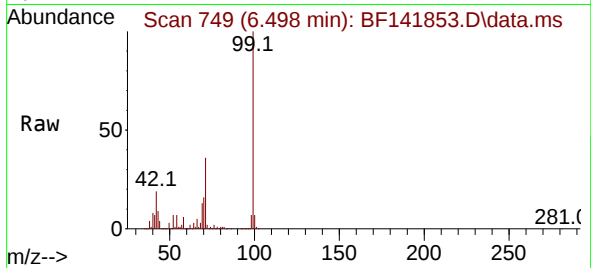




#7
Phenol-d6
Concen: 94.096 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

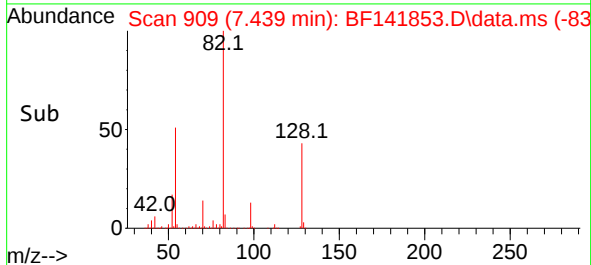
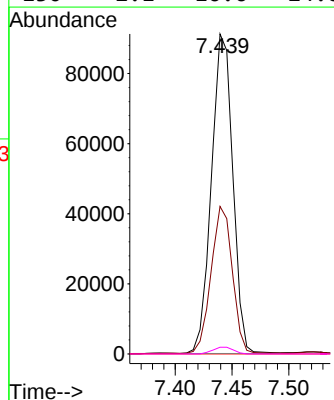
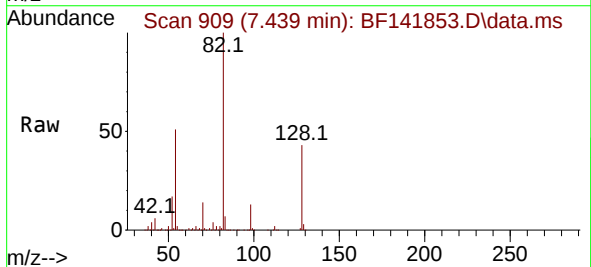
Instrument :
BNA_F
ClientSampleId :
DN-B-40

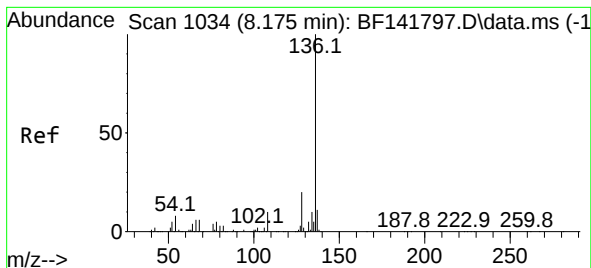
Tgt Ion: 99 Resp: 1386282
Ion Ratio Lower Upper
99 100
42 18.7 15.2 22.8
71 36.2 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.297 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion: 70 Resp: 119094
Ion Ratio Lower Upper
70 100
42 46.1 45.4 68.0
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

Instrument :

BNA_F

ClientSampleId :

DN-B-40

Tgt Ion:136 Resp: 682928

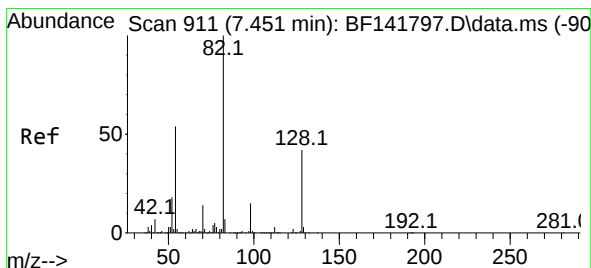
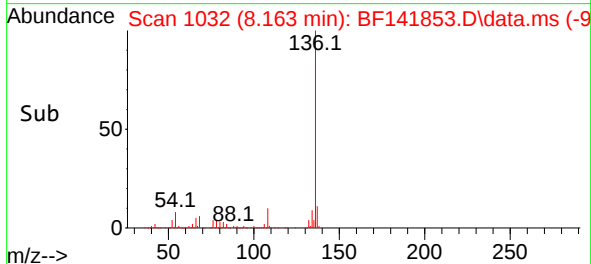
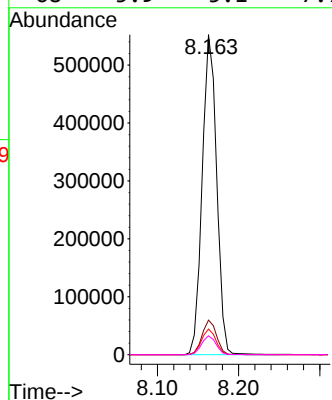
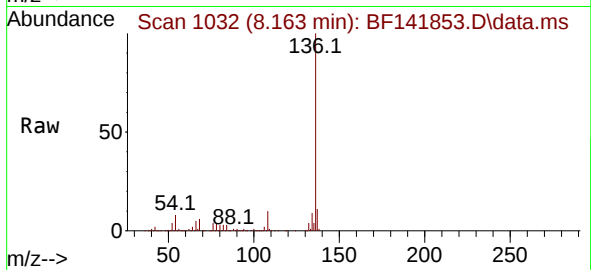
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.0 6.9 10.3

68 5.9 5.1 7.7



#23

Nitrobenzene-d5

Concen: 81.176 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

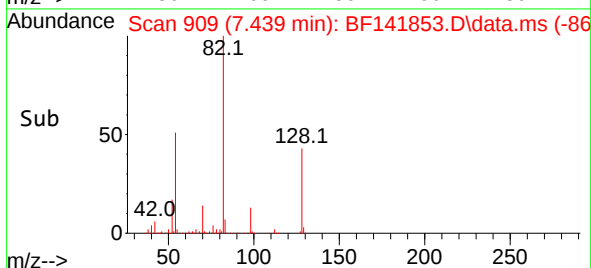
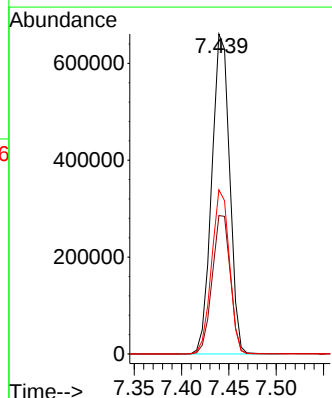
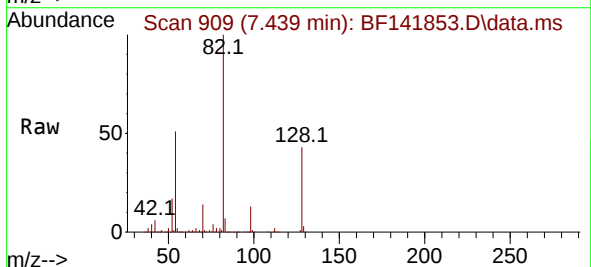
Tgt Ion: 82 Resp: 867295

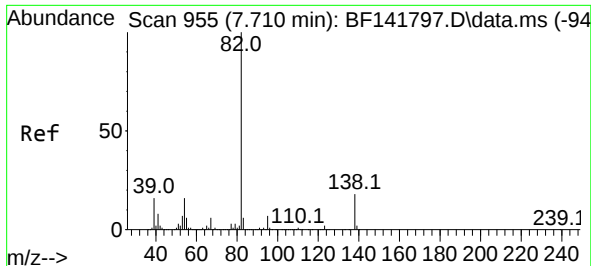
Ion Ratio Lower Upper

82 100

128 43.3 33.5 50.3

54 51.3 42.7 64.1

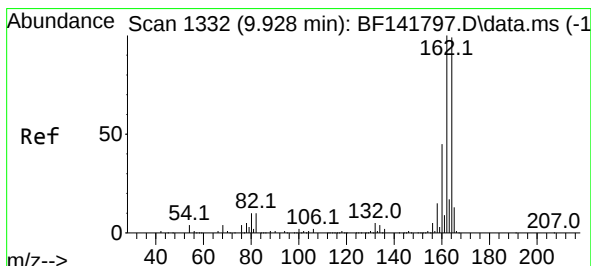
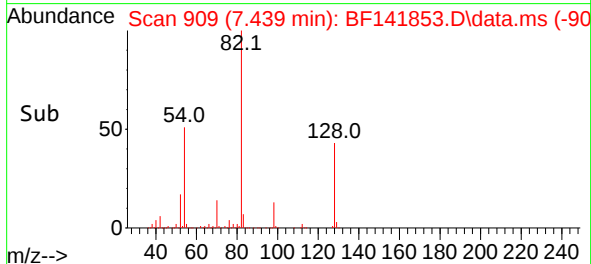
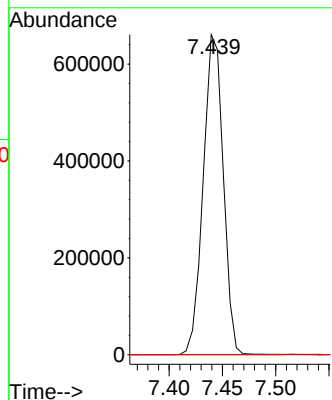
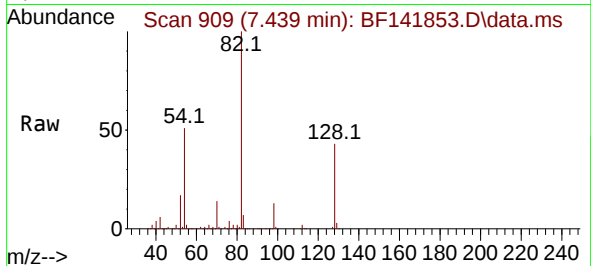




#25
Isophorone
Concen: 37.618 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

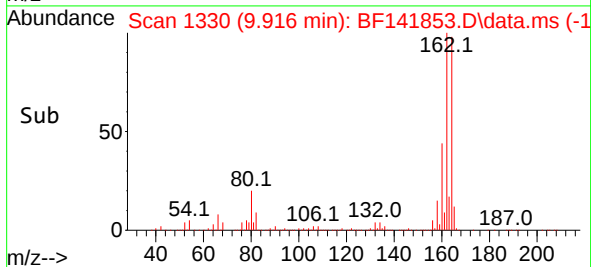
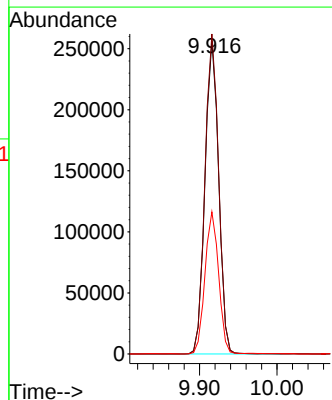
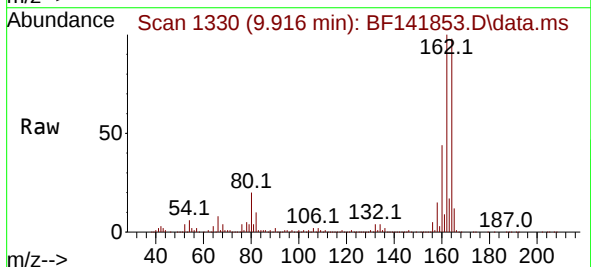
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ClientSampleId :
DN-B-40

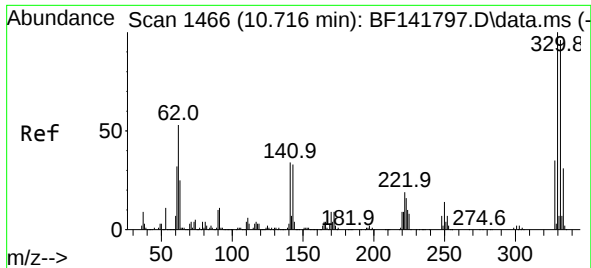
Tgt Ion: 82 Resp: 863458
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:164 Resp: 314183
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 45.4 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 93.818 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

Instrument :

BNA_F

ClientSampleId :

DN-B-40

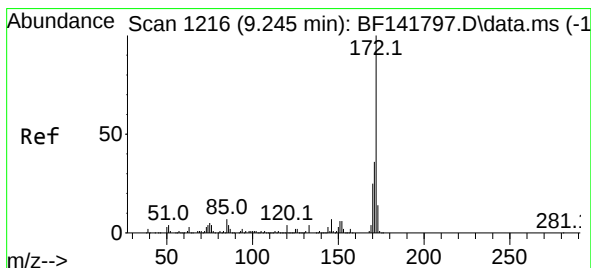
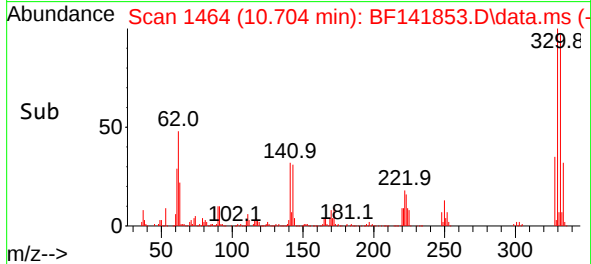
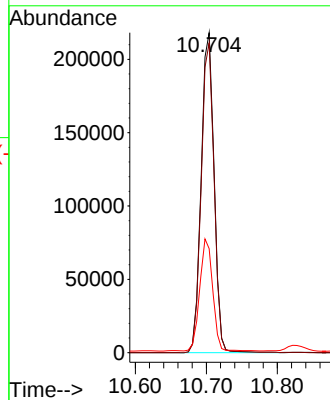
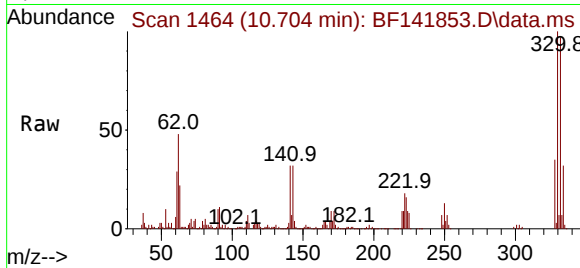
Tgt Ion:330 Resp: 276726

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

141 35.2 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 77.766 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

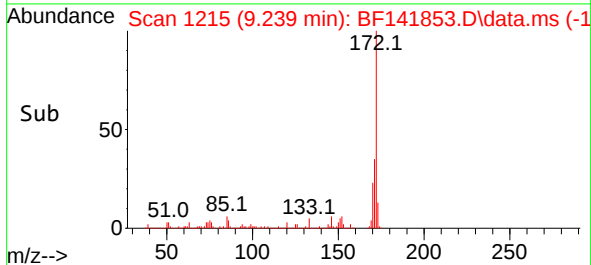
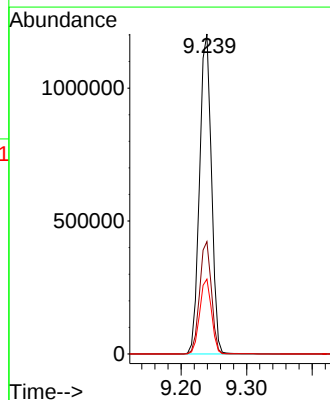
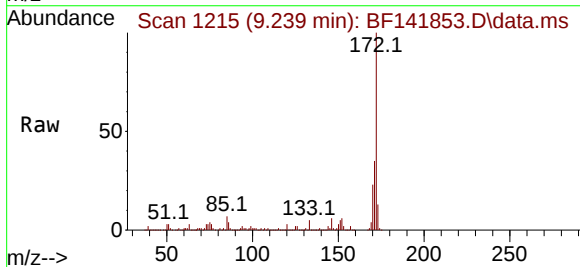
Tgt Ion:172 Resp: 1523760

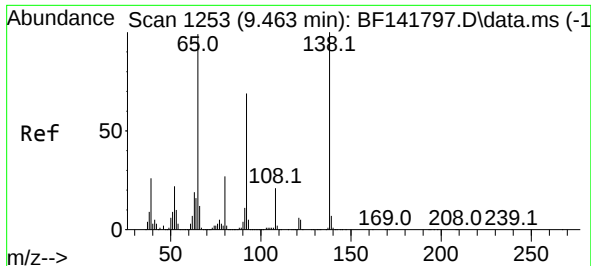
Ion Ratio Lower Upper

172 100

171 35.1 29.2 43.8

170 23.4 19.7 29.5

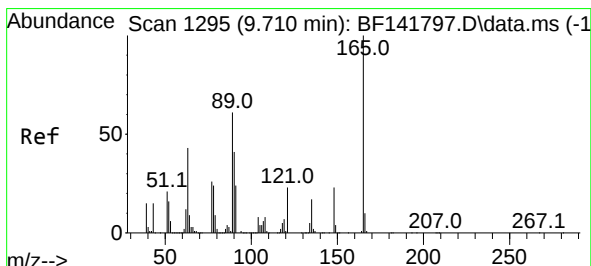
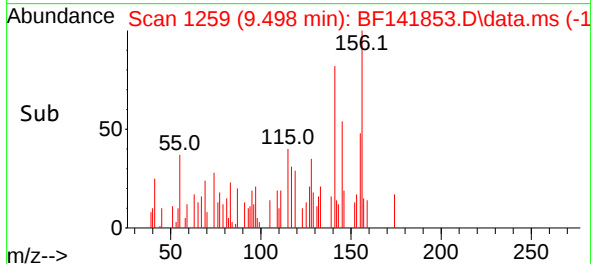
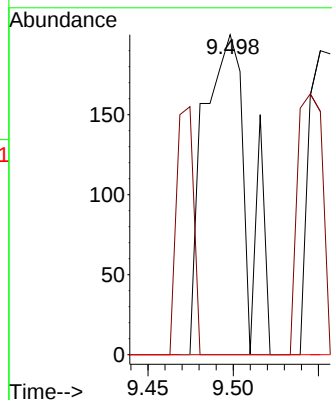
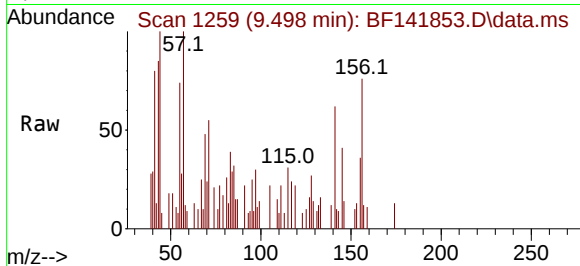




#48
2-Nitroaniline
Concen: 4.407 ng
RT: 9.498 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

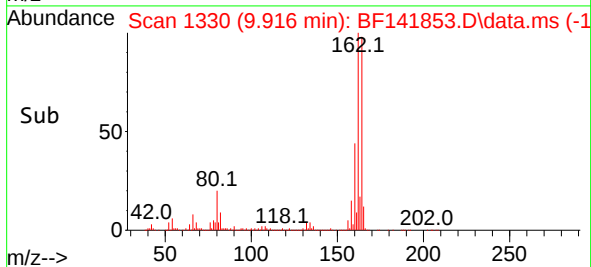
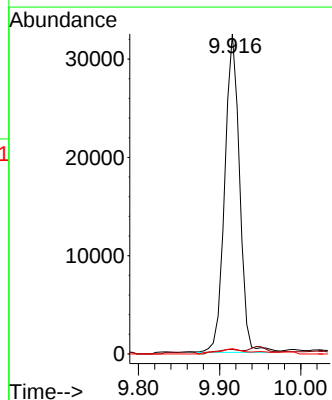
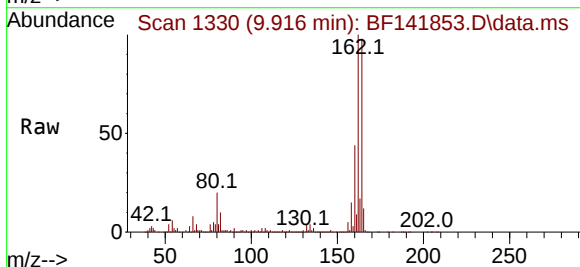
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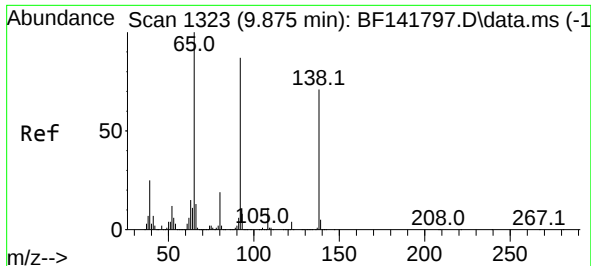
Tgt Ion: 65 Resp: 360
Ion Ratio Lower Upper
65 100
92 0.0 55.7 83.5#
138 0.0 80.6 121.0#



#51
2,6-Dinitrotoluene
Concen: 12.506 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion: 165 Resp: 41390
Ion Ratio Lower Upper
165 100
63 1.4 49.5 74.3#
89 1.7 49.0 73.4#

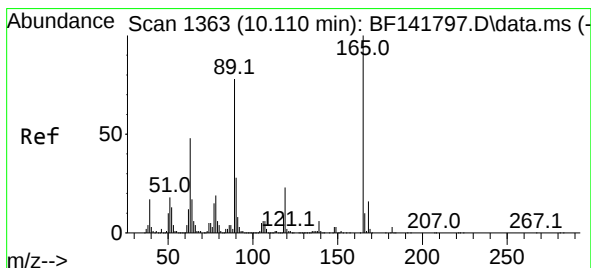
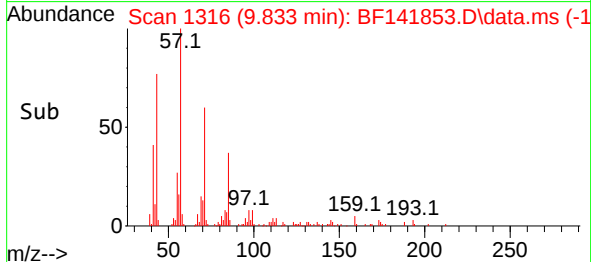
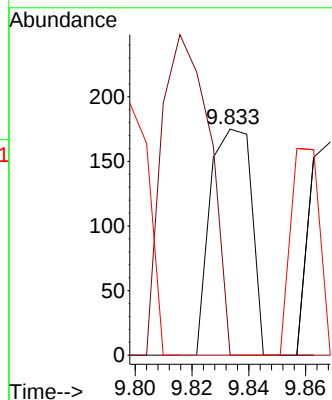
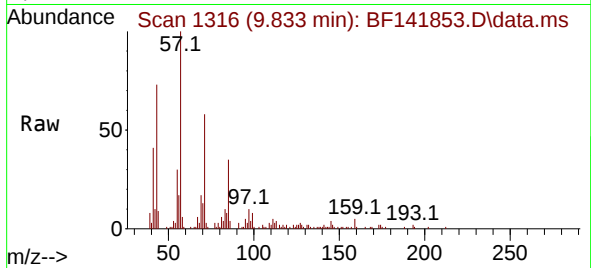




#53
3-Nitroaniline
Concen: 3.005 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.042 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

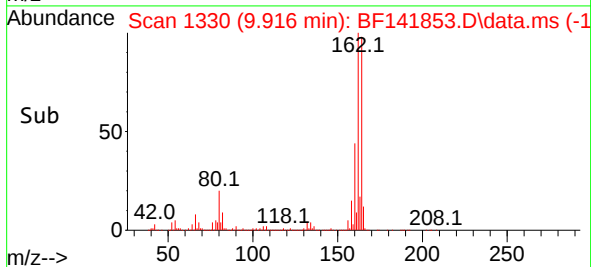
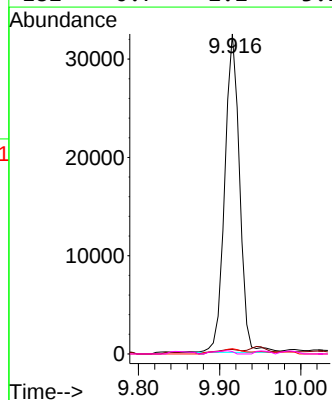
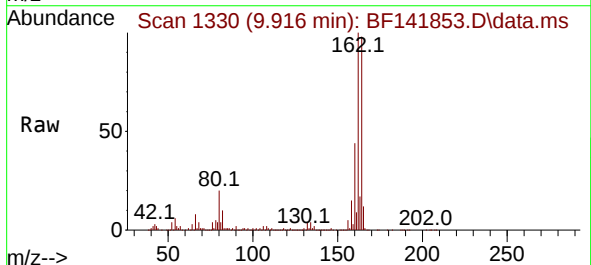
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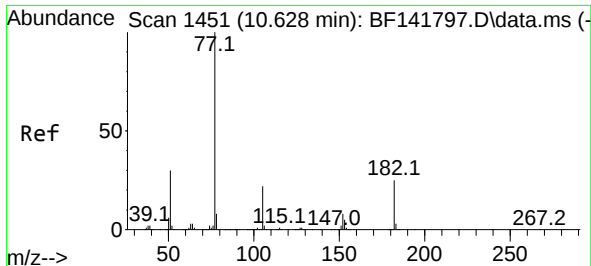
Tgt Ion:138 Resp: 176
Ion Ratio Lower Upper
138 100
108 0.0 12.7 19.1#
92 0.0 97.9 146.9#



#57
2,4-Dinitrotoluene
Concen: 11.326 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:165 Resp: 41390
Ion Ratio Lower Upper
165 100
63 1.4 38.8 58.2#
89 1.7 62.6 94.0#
182 0.7 2.2 3.2#

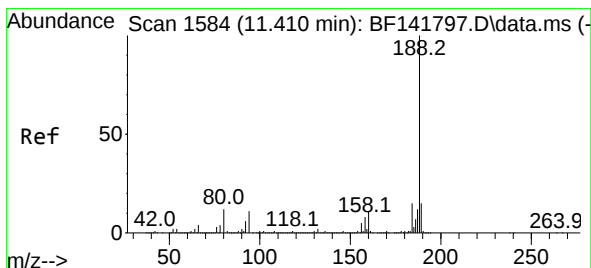
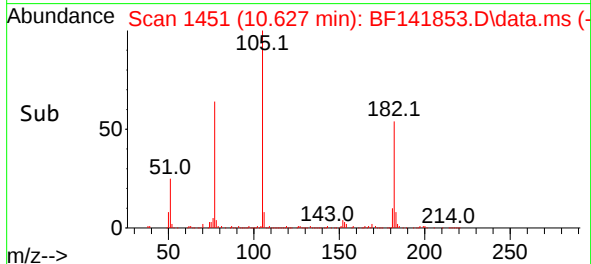
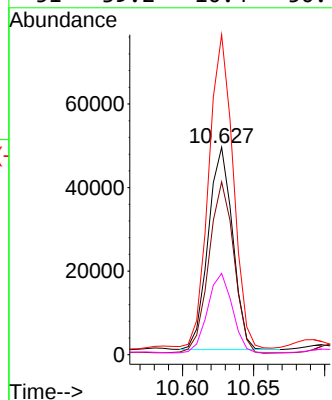
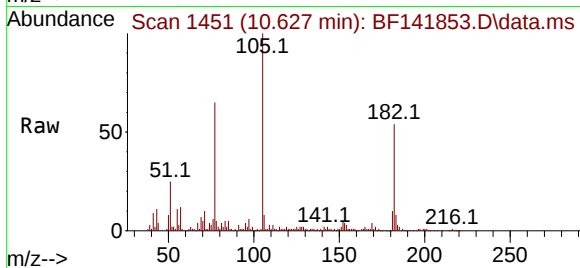




#63
Azobenzene
Concen: 2.606 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

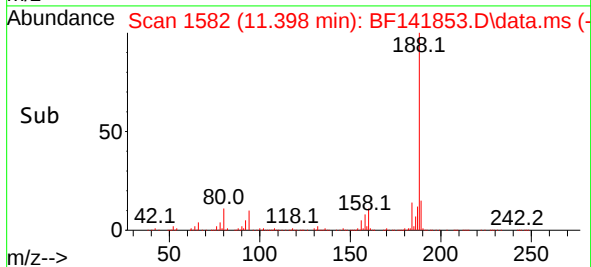
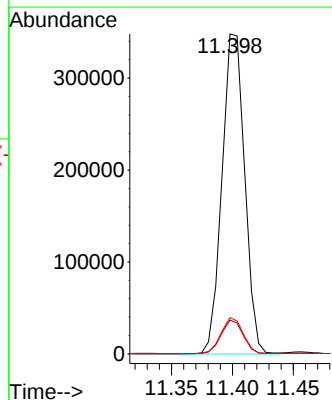
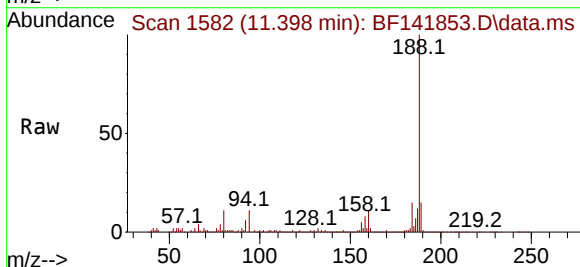
Instrument :
BNA_F
ClientSampleId :
DN-B-40

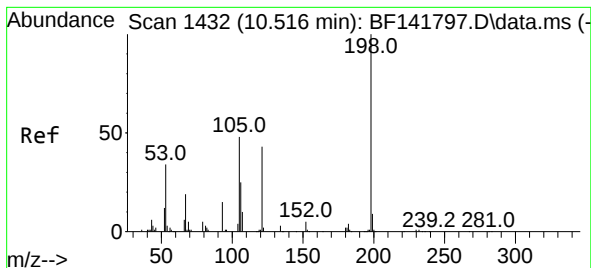
Tgt Ion: 77	Resp: 57877
Ion Ratio	Lower Upper
77 100	
182 83.3	4.2 44.2#
105 154.3	1.5 41.5#
51 39.2	10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:188	Resp: 451809		
Ion Ratio	Lower	Upper	
188 100			
94 10.6	8.9	13.3	
80 11.3	9.7	14.5	

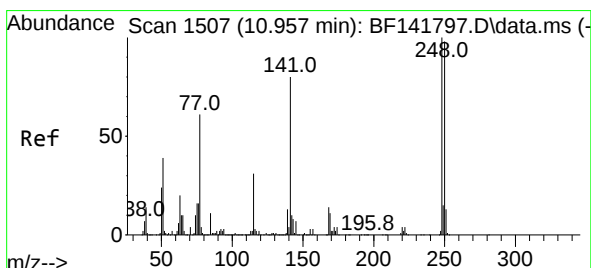
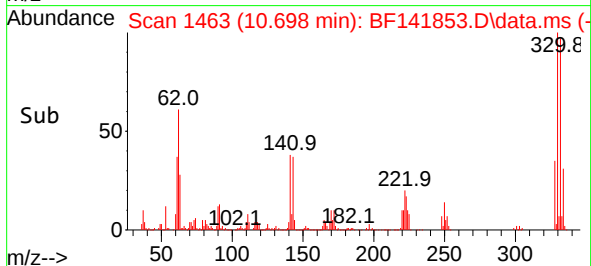
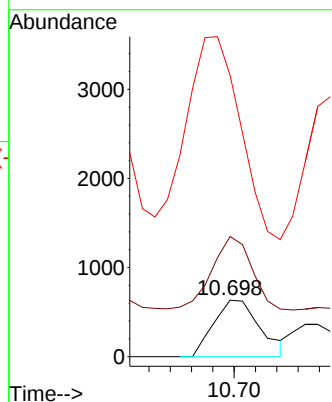
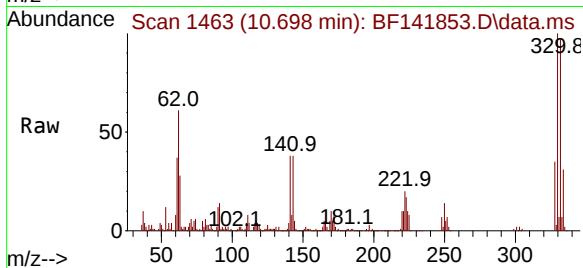




#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.499 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. 0.182 min
 Lab File: BF141853.D
 Acq: 05 Mar 2025 19:50

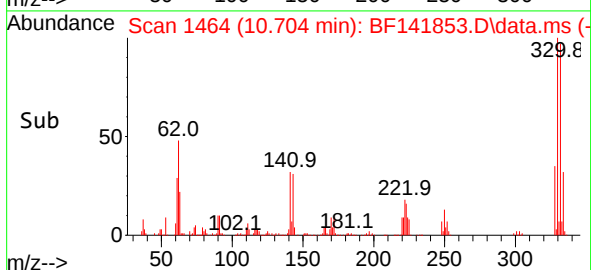
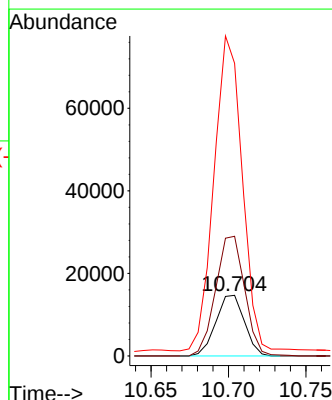
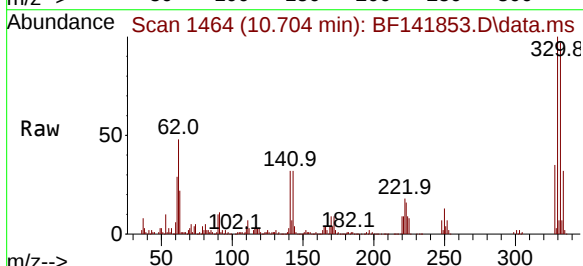
Instrument :
 BNA_F
 ClientSampleId :
 DN-B-40

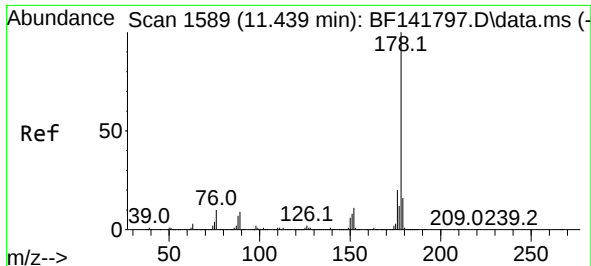
Tgt Ion:198 Resp: 956
 Ion Ratio Lower Upper
 198 100
 51 213.0 32.1 72.1#
 105 498.7 28.5 68.5#



#67
 4-Bromophenyl-phenylether
 Concen: 3.575 ng
 RT: 10.704 min Scan# 1464
 Delta R.T. -0.253 min
 Lab File: BF141853.D
 Acq: 05 Mar 2025 19:50

Tgt Ion:248 Resp: 18866
 Ion Ratio Lower Upper
 248 100
 250 197.6 78.1 117.1#
 141 483.0 64.3 96.5#

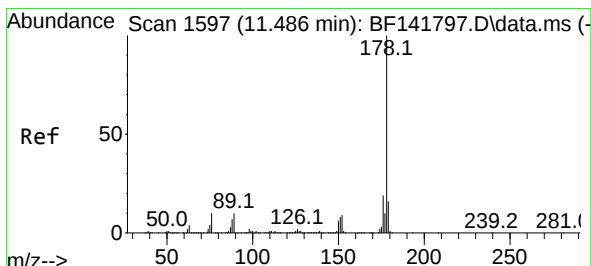
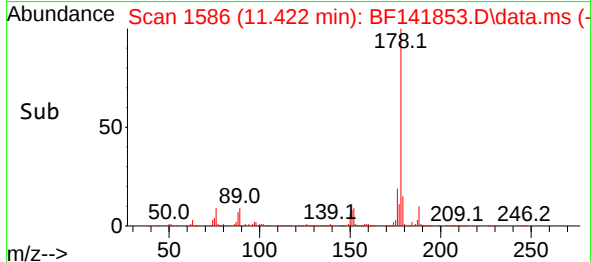
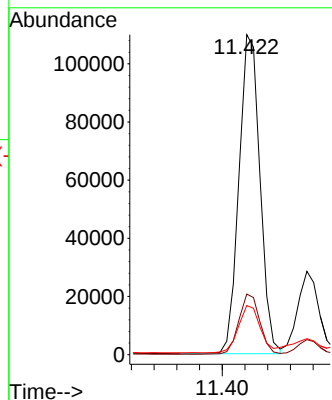
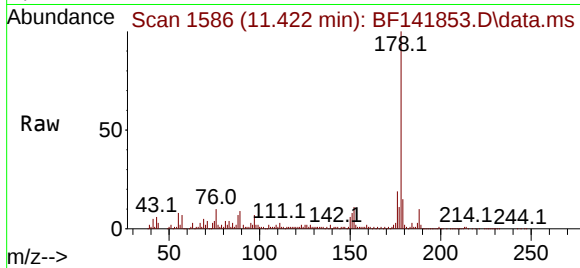




#71
Phenanthrene
Concen: 5.817 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

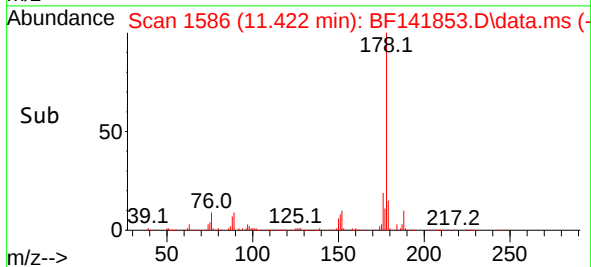
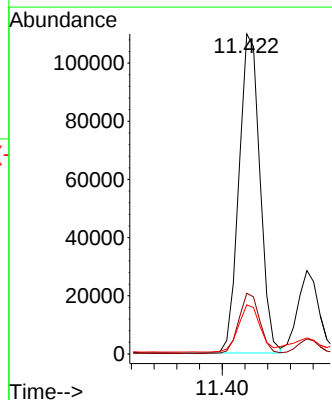
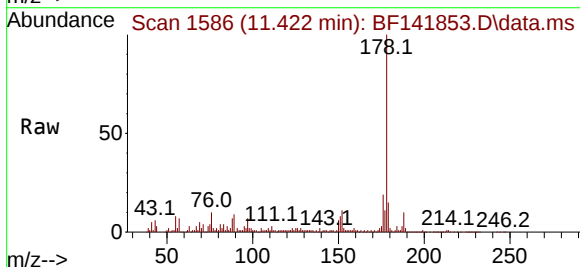
Instrument :
BNA_F
ClientSampleId :
DN-B-40

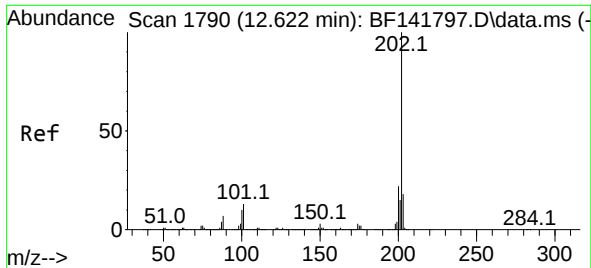
Tgt Ion:178 Resp: 140572
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.3 12.6 19.0



#72
Anthracene
Concen: 5.804 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.065 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:178 Resp: 140572
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.8 19.2

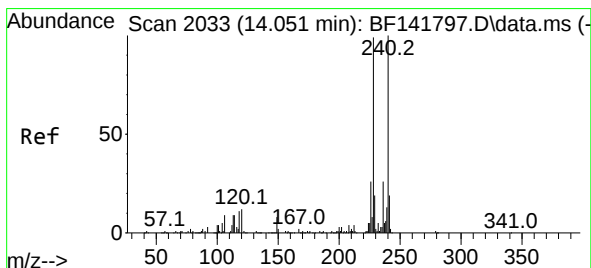
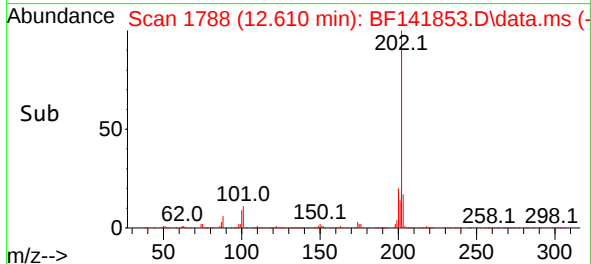
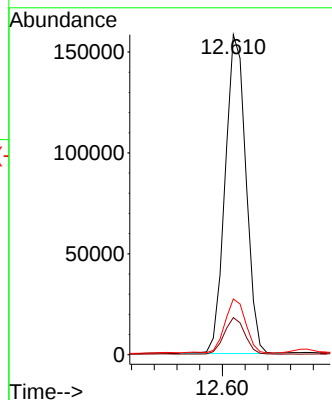
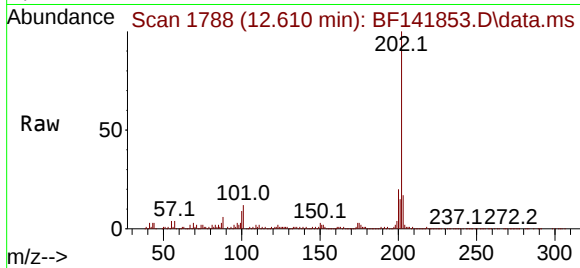




#75
Fluoranthene
Concen: 8.113 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

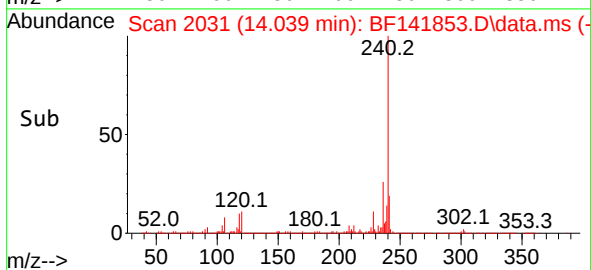
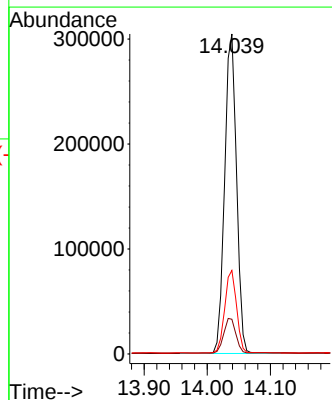
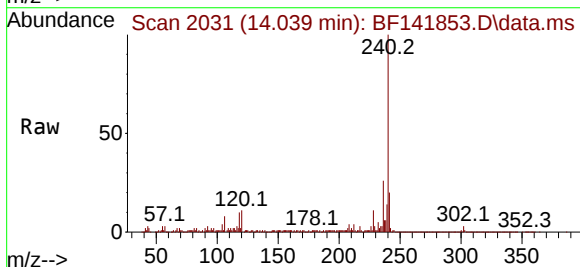
Instrument :
BNA_F
ClientSampleId :
DN-B-40

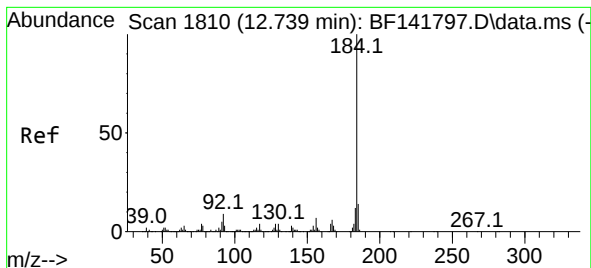
Tgt Ion:202 Resp: 200901
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.8
203 17.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:240 Resp: 397290
Ion Ratio Lower Upper
240 100
120 10.9 9.7 14.5
236 26.1 21.0 31.4





#77

Benzidine

Concen: 4.210 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

Instrument :

BNA_F

ClientSampleId :

DN-B-40

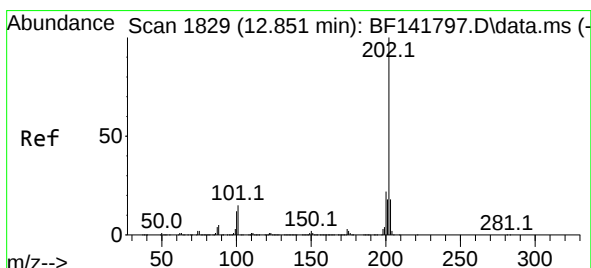
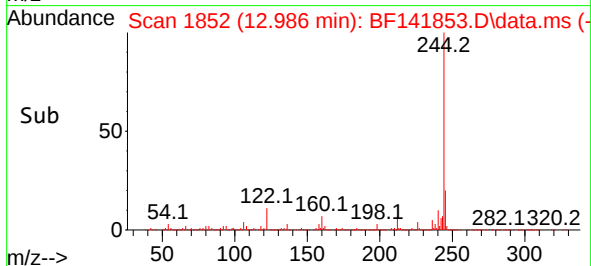
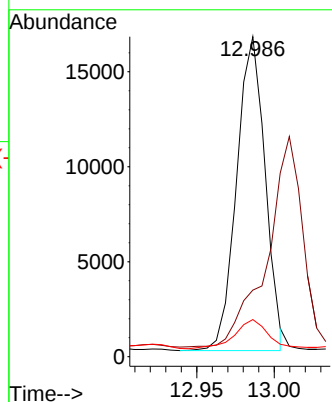
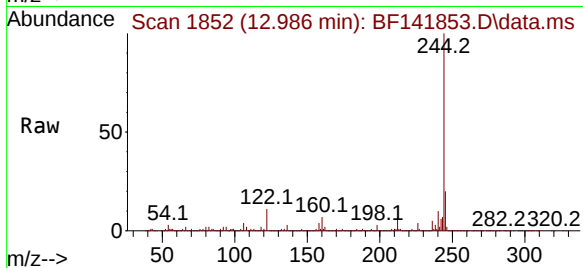
Tgt Ion:184 Resp: 21054

Ion Ratio Lower Upper

184 100

185 20.8 11.6 17.4#

183 11.6 9.4 14.0



#78

Pyrene

Concen: 5.203 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

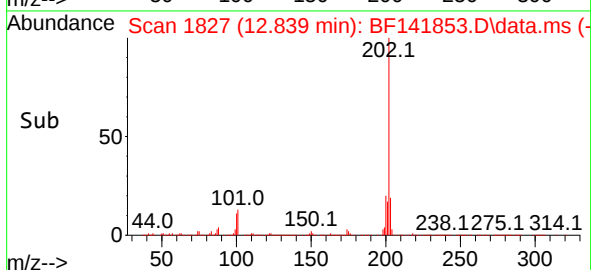
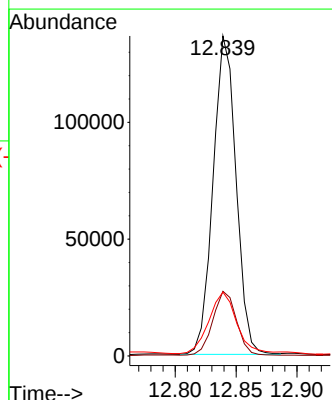
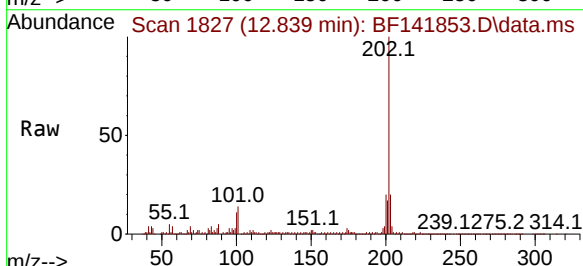
Tgt Ion:202 Resp: 178997

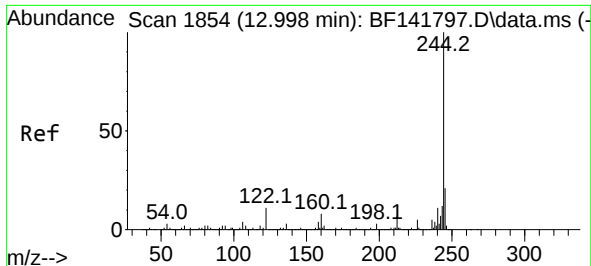
Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.0

203 20.0 14.6 22.0

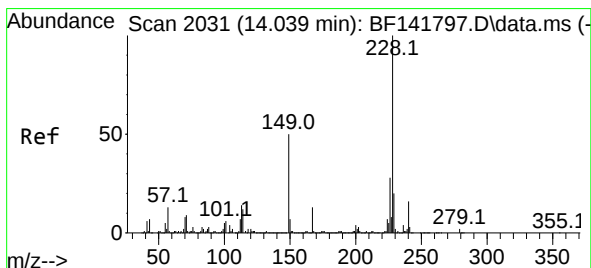
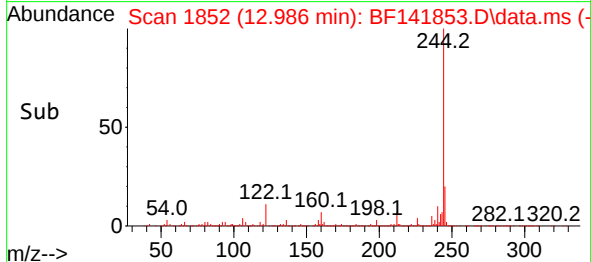
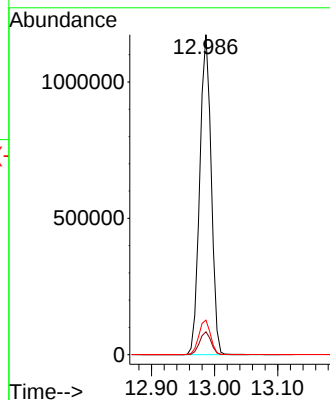
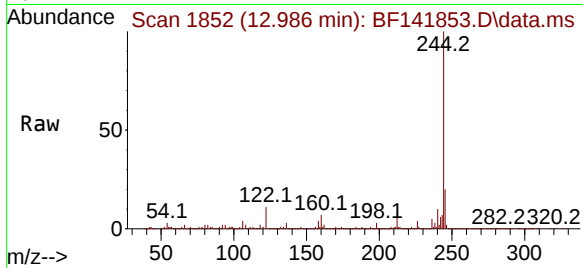




#79
 Terphenyl-d14
 Concen: 60.030 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141853.D
 Acq: 05 Mar 2025 19:50

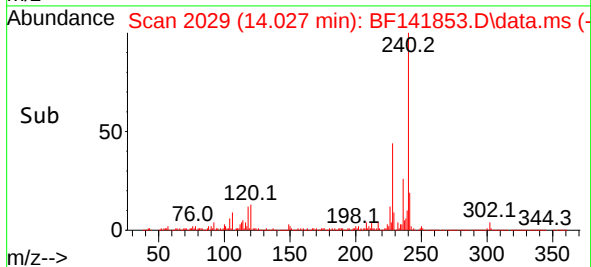
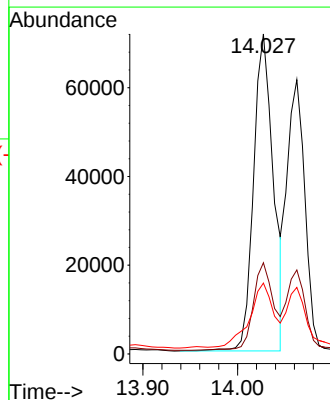
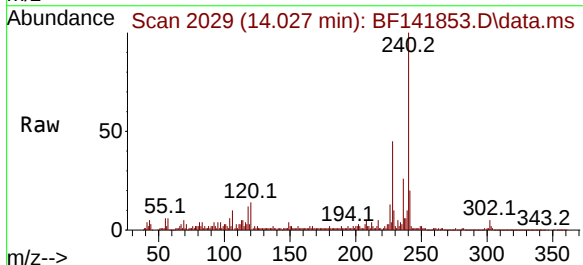
Instrument :
 BNA_F
 ClientSampleId :
 DN-B-40

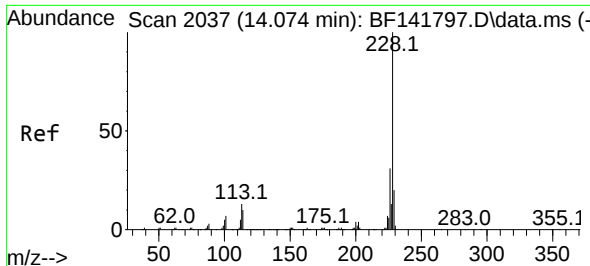
Tgt Ion:244 Resp: 1474064
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 10.8 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 3.962 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. -0.012 min
 Lab File: BF141853.D
 Acq: 05 Mar 2025 19:50

Tgt Ion:228 Resp: 103982
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 22.2 16.1 24.1

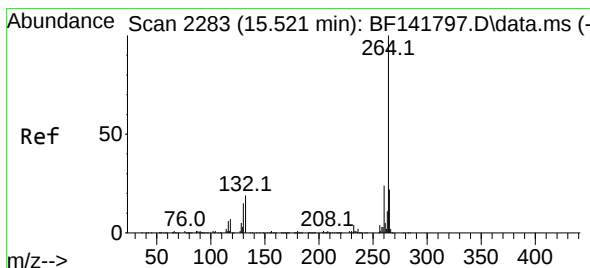
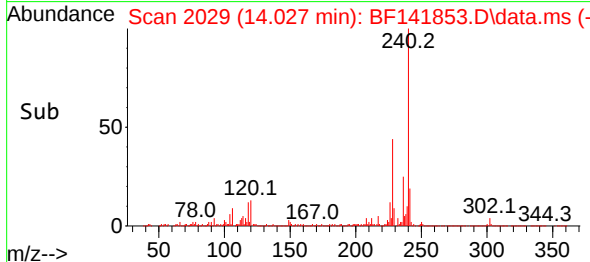
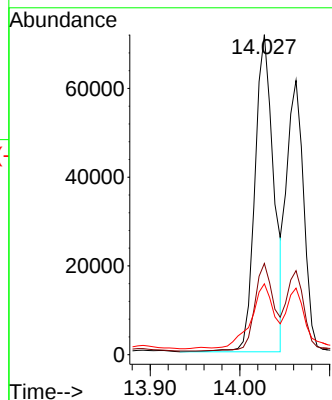
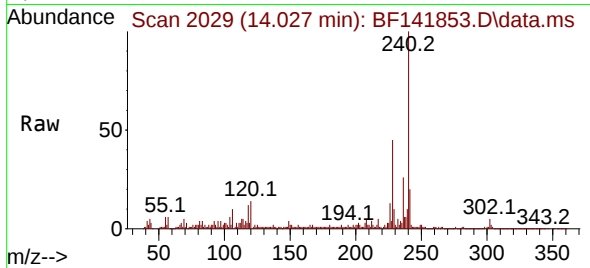




#83
Chrysene
Concen: 4.306 ng
RT: 14.027 min Scan# 2037
Delta R.T. -0.047 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

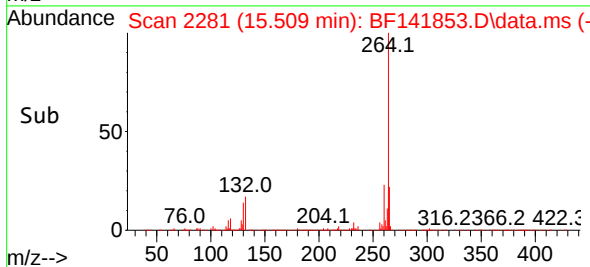
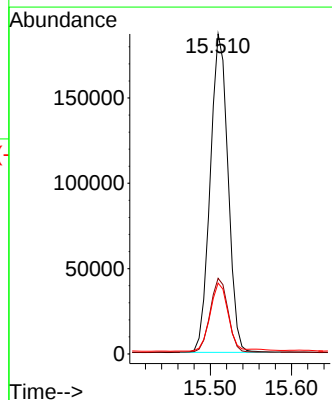
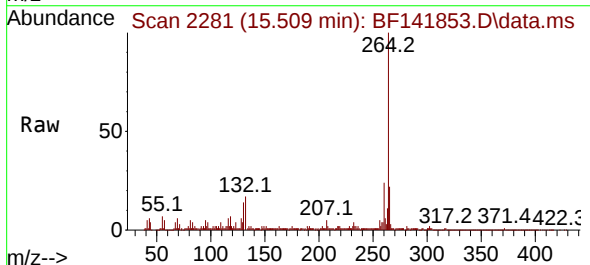
Instrument :
BNA_F
ClientSampleId :
DN-B-40

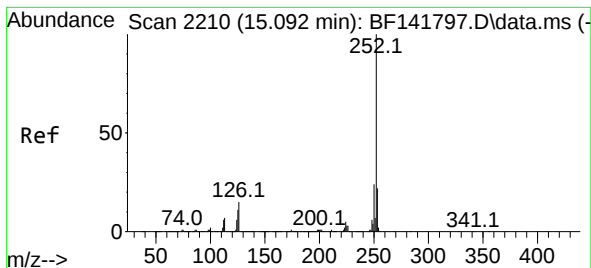
Tgt Ion:228 Resp: 104158
Ion Ratio Lower Upper
228 100
226 28.5 24.6 37.0
229 22.2 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:264 Resp: 284064
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.2 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 5.571 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

Instrument :

BNA_F

ClientSampleId :

DN-B-40

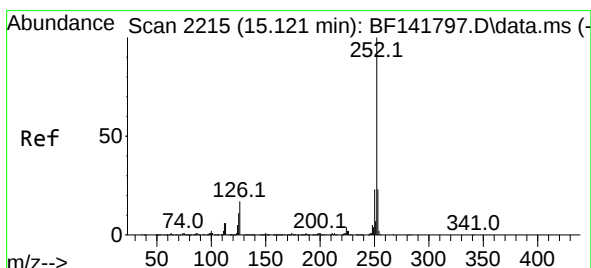
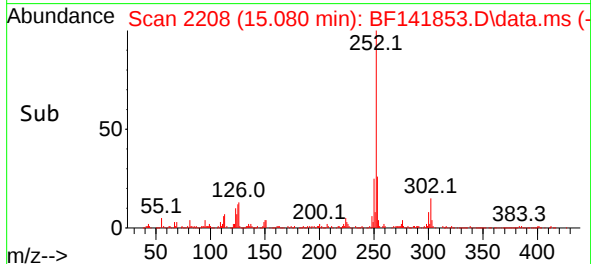
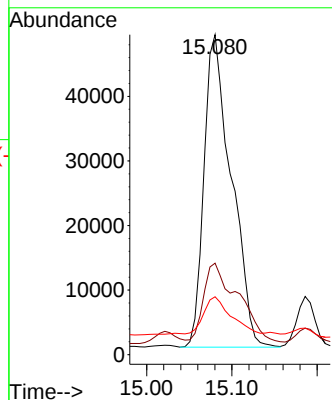
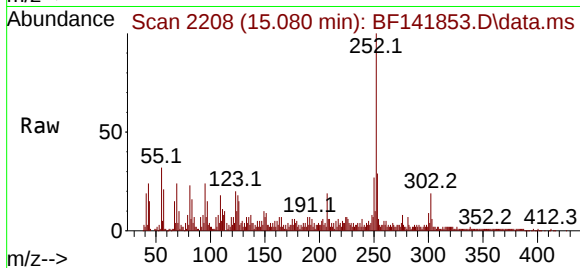
Tgt Ion:252 Resp: 107793

Ion Ratio Lower Upper

252 100

253 28.6 17.7 26.5#

125 18.1 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 6.554 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.041 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

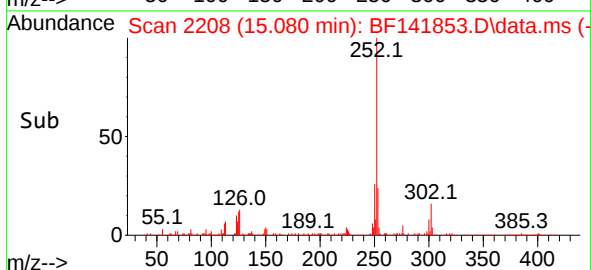
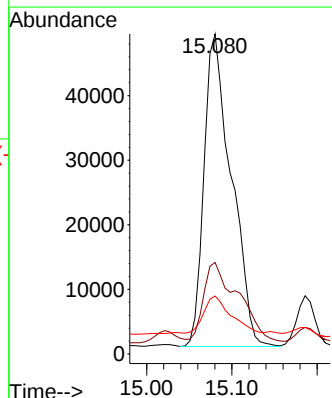
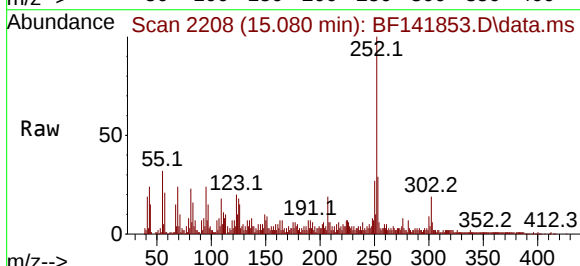
Tgt Ion:252 Resp: 107793

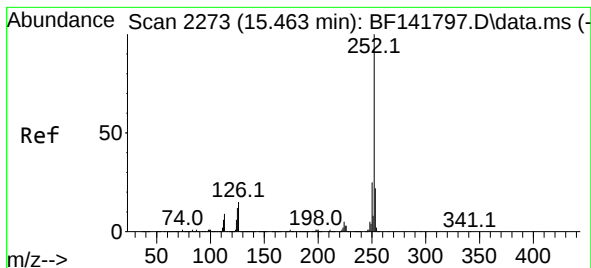
Ion Ratio Lower Upper

252 100

253 28.6 17.8 26.8#

125 18.1 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 3.760 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

Instrument :

BNA_F

ClientSampleId :

DN-B-40

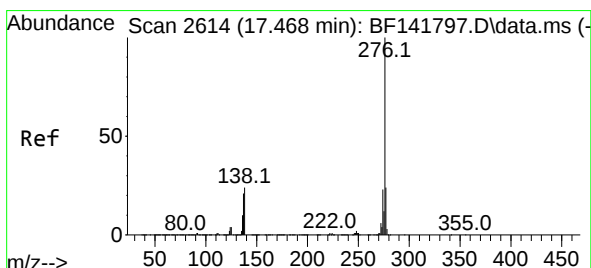
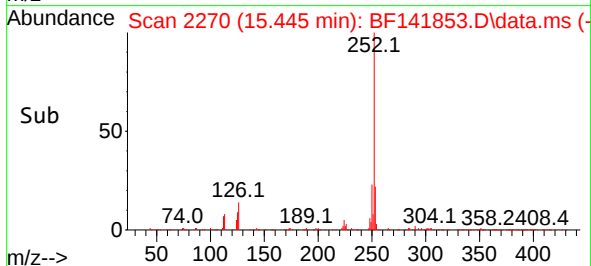
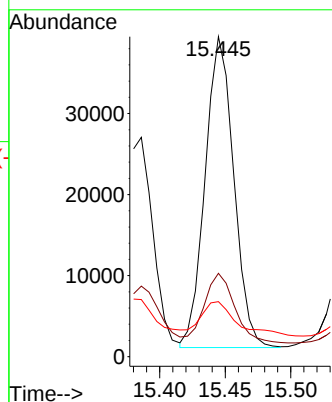
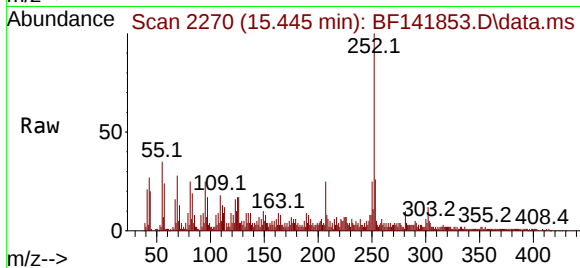
Tgt Ion:252 Resp: 58346

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 17.2 9.4 14.2#



#92

Benzo(g,h,i)perylene

Concen: 2.069 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.030 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

Tgt Ion:276 Resp: 31297

Ion Ratio Lower Upper

276 100

277 27.5 19.4 29.0

138 28.2 19.3 28.9

